

VinJ 2025-2026 Host Company List : as of 18 December 2024

reference code	company	Number of interns being recruited	Host section	Theme of internship	Details of Internship	Specialization of the students	Level of students	Language level	Accommodation (tentative)	Others	Host Section Address
1	Advanet Co., Ltd	2	Product Management Dept.	Computer vision, AI, AIoT, consolidated EDGE computing	<p>Advanet is a 42-year-old Japanese company headquartered in Okayama, in the hearth of central Japan, with representative office in Tokyo, to better serve many of its customers, mainly leading Japanese blue chips. The company designs, develops and manufactures computer-based hw and sw solutions, embedded as the core of various industrial devices, to support social infrastructures. Its expertise spans from the semiconductor manufacturing equipment (with AIOT like solutions) to transportation and mobility (with ADAS like solutions) and medical equipment, just to name some of the latest projects developed.</p> <p>With its own factory and two SMT lines, Advanet's strength is its "monozukuri", a synthesis of technological prowess, know-how and spirit of Japan's manufacturing practices forged in the Japanese market, and its global market competitiveness as a member of the listed European Eurotech Group.</p> <p>Your internship will provide a general overview of EDGE computing, including hardware and software. We aim to build a demonstration machine for Automatic Optical Inspection, with cameras and moving parts.</p>	Interest in integrating hardware and software solutions, with special focus on AI, to develop real use cases in the factory automation or infrastructure management scenarios. Some proficiency with Linux is required, knowledge about computer vision and AI are appreciated. Willingness to engage in an hands-on project, challenging theoretical knowledge in the development of a demo-product to be presented at a national exhibition, is a must.	M	English proficiency above daily conversational level, Japanese level is not required.	It is planned to prepare the monthly apartment around in Nakano ward, Nakao or Shin Nakano station area		3-5-2, Kanda-kaji-cho, Chiyoda-Ku, Tokyo, 101-0045, Japan
2	ARCALIS, Inc.	1	CMC Development Kashiwanoha Facility	<ol style="list-style-type: none"> Basic principles of mRNA technology and its application in the medical field mRNA-LNP technology mRNA stability and quality control Development of mRNA technology and scale-up to commercial production 	<ol style="list-style-type: none"> Basic principles of mRNA technology and its application to the medical field <ul style="list-style-type: none"> Understanding of mRNA synthesis, structure and function. Understanding of mRNA synthesis technology and process development for mRNA API. Experimental practice: mRNA synthesis (in vitro transcription process), purification (purification system, UF/DF system operation), and LNP synthesis (LNP system operation) Presentation: Students will make a PowerPoint presentation on the above practical training. Understanding and practice of ARCALIS mRNA integrated drug discovery support service <ul style="list-style-type: none"> Understanding the purpose and flow of ARCALIS integrated drug discovery support service Experience in supporting contract drug discovery services. mRNA stability and quality control <ul style="list-style-type: none"> Understand the principle and purpose of mRNA quality control test. Understand stability testing of mRNA API and drug product. Practical laboratory training: Students will practice representative tests on mRNA drug substance and drug product. The course also aims to provide the students with the skills to master each experimental technique, cell manipulation, etc. Presentation: Students will give a PowerPoint presentation on quality control testing. Development of mRNA technology and scale-up to actual production <ul style="list-style-type: none"> To understand how to scale-up to actual production using Covid-19 vaccine as an example. Visit to Minamisoma factory and exchange with Minamisoma members Presentation: PowerPoint presentation on the contents of the actual production tour. 	Biochemistry, Nucleic Acid Chemistry, Analytical Chemistry, Molecular Biology, Cell Biology Pharmacology, Bioinformatics	M or D	Business leveled English is mandatory, simple conversation leveled Japanese is preferable	The planned accommodation is located near Kashiwa-no-ha Campus Station, approximately 90 minutes from the Japanese language school for the first two months, and within walking distance of the workplace for the following six months. Alternatively, accommodation is available near Kita-Senju Station, which is midway between the language school and the workplace, offering a 45-minute commute to both locations.		226-39, Wakashiba, Kashiwa-Shi, Chiba, 226-0871, Japan
3	JGC Corporation	1	Sustainable Solutions, Nuclear Energy Division	Seismic design, response analysis, and evaluation for nuclear related facilities	<ul style="list-style-type: none"> Understand NuScale SMR's plant overview and safety features. Learn the overview of seismic design for SSCs of NPPs which is based on the state-of-the-art SSI analysis methodology through executing analysis program. Learn Japanese and non-Japanese seismic/civil design codes for nuclear related facilities May be requested to support seismic test planning for equipment qualification <p>*Abbreviation - SSCs: Structure, System, and Components - SSI: Soil-Structure Interaction - NPP: nuclear Power Plan</p>	Seismic and/or structural design for nuclear related facilities using finite element method	M or D	- For English language, high comprehensive proficiency is required. - For Japanese language, elementary speaking skills are required. Reading and writing skills are not required.	Planned Gumyoji or Yoshinocho Station on Yokohama municipal metro line	- Having experience living in different culture/environment from his or her own - Having strong interest in a peaceful application of nuclear technology - Nuclear physics/engineering knowledge and experience are not mandatory but advantageous. - Having willingness to learn nuclear safety culture and motivation to contribute.	2-3-1, Minato Mirai, Nishi-ku, Yokohama-shi, Kanagawa, 220-6001, Japan
4	NTT Communication Science Laboratories, NTT Corporation	1	NTT Communication Science Laboratories, Media Information Laboratory, Signal Processing Research Group	Research on speech and language processing for understanding human speech	We are pursuing research on technologies for understanding human speech. We combine signal processing and natural language processing to tackle problems that have not been solved before. For example, we have recently developed new technologies for speech recognition and speech translation. The internship will consist of research on state-of-the-art approaches to deep learning-based spoken language processing. The intern will first learn about state-of-the-art speech and language processing (e.g. speech recognition or speech translation), implement a recent approach (using, e.g., Python), and run experiments to confirm its effectiveness. The intern will then pursue innovative research based on these preliminary experiments. For ambitious students, the intern may write a scientific conference paper to summarize his research at the end of the internship.	- The student should have some knowledge about deep learning, statistical signal processing or natural language processing and should be able to read and understand scientific publications in this field. - He/she should have some programming experience in Pytorch and preferably be able to use Linux machines. - Some knowledge of speech processing or automatic speech recognition or speech translation would be preferable. - A student with interest in Japanese culture and language would be preferable.	M or D	English: Good English speaking, reading and writing skills for reading and discussing technical topics. Japanese: No particular requirement.	In Tokyo or Kanagawa for the first 2 months for Japanese language school, and in Nara or Kyoto for the next 6 months for interns in Keihan-na (Nara/Kyoto prefecture border).		Media Information Laboratory NTT Communication Science Laboratories 2-4, Hikaridai, Seika-cho, Keihanna Science city, Kyoto, 619-0237, Japan
5	VILLAGE Island Co., Ltd.	1	Technical & Development Team	Audio, Video and Digital Broadcasting Technologies, processes simulation and implementation in C++, and ASP .NET	After development a simulation model of a given target process, the internship student will be challenged to implement an optimized (or real-time) implementation of the process running on VILLAGE Island production platform. The aim and the content of this technical work is kept undisclosed prior to the start of the internship.	- Development of software for video/Audio - Electronics - Telecommunication	U or M or D	No requirement	Planned around Headqurter office area.		3-19-1, Shirokanedai, Minato-ku, Tokyo, 108-0071, Japan

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6	Vena Energy Engineering K.K.	1	Technical Services	"Electrical Engineering Intern: Design Optimization and Cost Reduction in Renewable Energy Projects"	The intern will gain hands-on experience in electrical design and contribute to project development activities in Wind Onshore, Solar PV, and BESS projects. Key tasks include: - Supporting the optimization of electrical layouts to enhance efficiency and reduce costs. - Developing tools and databases for monitoring design processes, focusing on electrical CapEx reduction. - Researching and benchmarking electrical materials and components to identify cost-effective options. - Assisting in the preparation of offers, technical designs, and cost estimations for renewable energy projects.	We are seeking a motivated student with a strong background in Electrical Engineering and a focus on renewable energy systems. The intern will contribute to key activities such as electrical design optimization, material and component benchmarking, and cost estimation for renewable energy projects, including Wind Onshore, Solar PV, and Battery Energy Storage Systems (BESS). The student will: - Assist in electrical design and layout optimization for renewable energy projects. - Conduct research on electrical components and materials, providing recommendations for cost-effective and high-performing solutions. - Develop tools and databases to enhance project monitoring, control, and cost reduction, with a particular focus on reducing electrical CapEx. - Support offer preparation, technical documentation, and cost estimation processes. The internship provides a unique opportunity to learn hands-on about renewable energy project development and contribute to innovative solutions that align with industry best practices.	U or M or D	•English: Proficient (essential). •Japanese: Basic knowledge is a plus but not required.	Planned in Tokyo area		2-10-4, Toranomon, Minato-ku, Tokyo, 105-0001, Japan
7	JAOPS Inc. Co.	2	The students will be integrated in the development team to execute tasks related to Space and robotics Operations, Ground Segment development including software and Infrastructure and/or Simulation environments	Option 1- Infrastructure Engineer and IT-Deployment of Mission Control System infrastructure with assets both on the cloud and on legacy systems Option 2- Development of Flight Dynamics tool based on Open source technology as GMAT or FD Matlab modules Option 3- Simulation environment for rover and space missions with realtime execution and integration of Twin model of rover or satellite Option 4- Implementation of Operational planning tools for Space missions.	JAOPS is the one-stop-shop for space Operations, it was created in 2023 after identifying operations and ground segment as one of the main challenges for newspace companies. The increasing number of missions is not aligned with the available tools and talent dedicated to operations of the space market. Our objective is to be in all mission control centers either directly as operators or with open source tools that can, not only reduce costs, but also increase capabilities of the Operators. We work in four verticals, training, simulations, tools and OaaS (Operations as a Service). Further information please check www.jaops.com The Trainee will be part of the development team and participate on the assigned projects based on the current customers from JAOPS. Activities can be related to Robotic simulations of lunar missions or on orbit servicing, as well as infrastructure customizations for on going and projected missions, testing environments setup from the software point of view, conops preparation or Operations execution.	We could accept students with Aerospace Engineers with interest in Flight Dynamics, Operations and Planning.	M or D	English essential, we can also work in Spanish and French. Japanese would be certainly an asset	Office will be in Shinjuku area, therefore Yoyogi, Nakano etc. would be the places to search. Door to door it will be around 60 minutes.		3-3-13, Nishi-shinjuku, Shinju-ku, Tokyo, 160-0023, Japan The above is the current office address. But, as the office is scheduled to move next year to the same Shinjuku area, the address will be different when the internship is held
8	JAOPS Inc. Co.	2	The students will be integrated in the development team to execute tasks related to Space and robotics Operations, Ground Segment development including software and Infrastructure and/or Simulation environments	Option 1- Infrastructure Engineer and IT-Deployment of Mission Control System infrastructure with assets both on the cloud and on legacy systems Option 2- Development of Flight Dynamics tool based on Open source technology as GMAT or FD Matlab modules Option 3- Simulation environment for rover and space missions with realtime execution and integration of Twin model of rover or satellite Option 4- Implementation of Operational planning tools for Space missions.	JAOPS is the one-stop-shop for space Operations, it was created in 2023 after identifying operations and ground segment as one of the main challenges for newspace companies. The increasing number of missions is not aligned with the available tools and talent dedicated to operations of the space market. Our objective is to be in all mission control centers either directly as operators or with open source tools that can, not only reduce costs, but also increase capabilities of the Operators. We work in four verticals, training, simulations, tools and OaaS (Operations as a Service). Further information please check www.jaops.com The Trainee will be part of the development team and participate on the assigned projects based on the current customers from JAOPS. Activities can be related to Robotic simulations of lunar missions or on orbit servicing, as well as infrastructure customizations for on going and projected missions, testing environments setup from the software point of view, conops preparation or Operations execution.	We could accept students with IT and software careers.	M or D	English essential, we can also work in Spanish and French. Japanese would be certainly an asset	Office will be in Shinjuku area, therefore Yoyogi, Nakano etc. would be the places to search. Door to door it will be around 60 minutes.		3-3-13, Nishi-shinjuku, Shinju-ku, Tokyo, 160-0023, Japan The above is the current office address. But, as the office is scheduled to move next year to the same Shinjuku area, the address will be different when the internship is held
9	Corpy&Co. Inc.	2	Development Department	AI Research and Development & AI Service Development for mission critical applications or explainability of AI	- R&D or development work assigned by other engineers and team managers - Investigate new technologies or implement existing ideas related to AI on practical problems - Provide support for client material preparation (designs, reports, etc.) - Participate in data annotation, model training, model evaluation, data analysis, report preparation tasks - Participate in the development of services that serve or use AI.	- Majoring in data science, machine learning / artificial intelligence, bioinformatics, information technology, or any STEM field. - Either: a) Knowledge of data analysis, machine learning and algorithms ; fundamental understanding of working with image data, including pre- and post-processing with respect to ML/AI workflows. b) Web and service development covering one or multiple of the following technologies / frameworks: Vue.js, FastAPI, Cypress. - Practical experience (either professional, personal or academic) with Python 3 and Linux environments.	M or D	- Fluent proficiency in English (equivalent of 700+ on TOEIC) - No requirements for Japanese, even though it is welcome	Planned within Tokyo 23 wards, nearby a station of the Toei Shinjuku Line		1-44-11, Jinbo-cho, Kanda, Chiyoda-ku, Tokyo, 101-0051, Japan

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10	K.K. Air Liquide Laboratories	1	K.K. Air Liquide Laboratories	Industrial Gases for Enhancing Battery Materials	<p>Industrial gases such as oxygen (O₂), nitrogen (N₂), argon (Ar), and hydrogen (H₂) play a key role in various industries and are central to driving the energy transition. As a global leader in this field, Air Liquide is committed to contributing to crucial advancements in sustainable technologies.</p> <p>The Industrial Performance Group at Air Liquide Laboratories (ALL) is dedicated to identifying, evaluating, and proposing innovative applications for industrial gases across multiple sectors. Our work spans areas such as:</p> <ul style="list-style-type: none"> - Battery technologies, from raw material extraction and active material fabrication to recycling. - High-efficiency hydrogen production using high-temperature electrolysis. - Development of advanced adsorbents for CO₂ capture. <p>[Objective of the Internship]</p> <p>This internship focuses on investigating how industrial gases can enhance the electrochemical performance of battery materials. Specifically, the project will explore the impact of different gases on state-of-the-art cathode materials. Key areas of study include the effect of gas type, temperature, and pressure during the widely used calcination process. Air Liquide Laboratories has already made significant progress in this area, as evidenced by recent publications (e.g., DOI: 10.1016/j.ssi.2022.116031).</p> <p>[Key Responsibilities The candidate will]</p> <ul style="list-style-type: none"> - Conduct synthesis and characterization of advanced oxide materials using standard techniques for energy-related applications. - Investigate and analyze the impact of various processing parameters on material performance. - Collaborate with the team to report findings and deliver actionable conclusions to management. <p>This internship offers an exciting opportunity to work at cutting-edge materials science and industrial innovation, contributing to the development of sustainable technologies for the future.</p>	<ul style="list-style-type: none"> - Candidates with a background in chemical, mechanical and electrical engineering, materials science and related fields are welcome to apply. - High skills in experimental activities such as synthesis of active materials, cell fabrication and electrochemical characterization. - Having experience in characterization techniques such as XRD, XPS, SEM is a plus. - Proactive and being able to adapt to new situations, challenges and topics. - Team player, and willing to work in an international environment. - Strong commitment to follow safety standards and promote their improvement. 	M or D	English proficiency is a must. All daily activities will be conducted in English. Japanese skills are not necessary, but welcome.	Planned around Keikyu Yokosuka-chuo station		2-2 Hikarinooka, Yokosuka, Kanagawa, 239-0847, Japan
11	Westlake Akishima Co.,Ltd	1	R&D	The mission is to design a PVC stabilizer using machine learning system software, and to conduct verification experiments and measurements. (Including measurement of experimental results, data creation, etc.) The system also verifies the reconciliation of product records and quality control tests. Consider how to granulate powder stabilizers.	<ul style="list-style-type: none"> - Stabilizer synthesis & formulation (does not test on high-risk machines such as rolls, ovens, presses) - Measurement of YI value, etc. from test results, visual evaluation. - Numericalization of visual evaluation results and past data (hue, transparency, thermal stability, etc.). - Create a database of each raw material and analyze the results using software, etc. - Create a database of manufacturing records for each product, quality control result testing and verification - Find the best way to granulate using a mixer through trial-and-error experiments such as the rotation speed, temperature conditions, and the need for additives. (The mixer uses a propeller inside a sealed container, so if you follow the procedure, there is little risk → Support from an instructor) 	Chemical Science, Chemical Engineering, Organic Chemistry etc.	M or D	English: Full professional fluency Japanese: Basic level	Not yet decided but around Narimasu station		88-6, Shingou, Higashi-Matsuyama-shi, Saitama, 355-0071, Japan
12	Fujitsu Limited	1	AI Innovation Core Project, AI Laboratory	Research and development of next generation metaheuristics	The internship will involve using techniques such as parallel computing and machine learning, including generative AI, to develop high speed metaheuristics to solve combinatorial problems. It will involve surveying existing literature, learning the required skills to further propose new methods which will be tried out through experimentation.	Mathematical Optimization, Machine Learning	M or D	English: business level required, Japanese: daily conversational level of is acceptable	Not yet decided but around Musashi-Nakahara station		4-1-1 Kamikodonaka, Nakahara-ku, Kawasaki, Kanagawa, 211-8588, Japan
13	Fujitsu Limited	1	AI Computing Core Project, Computing Laboratory	Research on AI algorithms and hardware.	Recent AI algorithms, especially large language models (LLMs), require immense memory and substantial computational power, making extremely high-performance computing systems indispensable for their processing. Our research department is dedicated to accelerating future AI processing by researching AI-oriented computing technologies from both algorithmic and hardware perspectives. This internship program will algorithms that reduce computational cost, such as quantization and sparsification, and will propose and evaluate high-speed matrix multiplication units designed to leverage the benefits of these algorithms.	<ul style="list-style-type: none"> Knowledge and experience in AI, Machine Learning (must) Experience in reading and understanding more than 10 technical papers (must) Programming skills in C/C++ and Python applications (must) Knowledge of Computer Architecture (preferred) Knowledge and experience in Logic Circuit Design (RTL design) (preferred) 	M or D	Requires proficiency in English for technical discussions, and daily conversational level of Japanese	Not yet decided but around Musashi-Nakahara station		4-1-1 Kamikodonaka, Nakahara-ku, Kawasaki, Kanagawa, 211-8588, Japan
14	Fujitsu Limited	1	Computing Workload Broker Core Project, Computing Laboratory	Research on software technology for accelerating AI/HPC applications	The rapid evolution of computer technology has led to the emergence of diverse computer architectures employing accelerators like GPUs. Mastering these architectures is now crucial. The high demand for AI applications, in particular, necessitates adaptable technologies that deliver peak performance across various computing environments. This training program focuses on developing techniques to optimize and accelerate high-performance computing applications, including AI processing, for leveraging the evolving landscape of computer architectures.	<ul style="list-style-type: none"> Knowledge of Computer Architecture (must) Experience in reading and understanding more than 10 technical papers (must) Programming skills in C/C++ applications (must) Knowledge and experience in AI, Machine Learning (must) Knowledge of HPC Applications such as Computational Fluid Dynamics and Molecular Dynamics Simulation (preferred) 	M or D	Requires proficiency in English for technical discussions, and daily conversational level of Japanese	Not yet decided but around Musashi-Nakahara station		4-1-1 Kamikodonaka, Nakahara-ku, Kawasaki, Kanagawa, 211-8588, Japan
15	Fujitsu Limited	1	Modular Quantum Computing PJ, Quantum Laboratory.	Research on control for diamond spin quantum computers.	The intern student will work on research related to the control of Fujitsu's planned diamond spin-based quantum computer. Specifically, the research targets the implementation of efficient quantum algorithms for the computer based on projected specifications, implementation methods for error correction algorithms, and/or their implementation on a compiler. Numerical simulation of the spin state of diamond color centers and its quantum dynamics is also a target of research. The details will be determined based on the intern's aptitude and preferences.	Quantum information science Quantum photonics and quantum electrodynamics	M or D	English: business level required, Japanese: daily conversational level of is acceptable.	Not yet decided		10-1 Morinosatowakamiya, Atsugi, Kanagawa, 243-0197, Japan
16	Yasui Architects & Engineers, Inc.	1	International Department	"Process of design and supervision in Japanese architectural design & engineering office" Learning about the process of design and supervision in Japanese architectural design & engineering office through On-the-Job training, to apply for trainee's study or works.	Experiencing design and supervision process in Japanese architectural design & engineering office directly through various tasks such as drawing work, model making work, presentation work, etc. Also, Experiencing the role of architectural design offices in construction sites etc.	Architecture	U or M or D	English: Business level, Japanese: Pre-intermediate(preferable)	Planned in Tokyo or suburbs		1 Kanda-Mitoshirocho, Chiyoda-ku, Tokyo, 101-0053, Japan
17	ispace Inc.	1	Mission Design and Operations Group	Mission Analysis for commercial spacecraft lunar missions	<p>ispace is a Japanese start-up with offices in Tokyo, Luxembourg and USA that aims to provide lunar transportation and exploration services.</p> <p>The applicant will join the Mission Analysis and Flight Dynamics Group at ispace (Tokyo office) for the duration of the program to support the development of our lunar lander mission. He/she will collaborate in one or several tasks depending on the student knowledge and interest:</p> <ul style="list-style-type: none"> • Launch and Early Operation Phase analysis and design • Earth to Moon transfer analysis and design • Lunar orbit design and station-keeping • Landing trajectory analysis and design • Landing site analysis and selection • Navigation analysis and stochastic delta-v calculation • Flight Dynamics operations preparation <p>Astrodynamics background is required. Programming skills, one of the following is required: Python, Matlab or c++</p>	Aerospace engineering or similar Astrodynamics / orbital dynamics background is required Programming skills, one of the following is required: Python, Matlab or c++	M or D	English: Fluent, Japanese: not required	Not decided at the moment. We plan on renting a room in a share house after the student selection. For your reference, two years ago we hosted a Vulcanus student for whom we booked a room in Sakura House near Monzen Nakacho station		3-42-3, Nihonbashi-hamacho, Chuou-ku, Tokyo, 103-0007, Japan

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18	Bosch Corporation	1	Manufacturing Engineering Dept., Manufacturing & Planning, Manufacturing, Power Solutions	Digitalization in manufacturing	Several internship topics possible depending on intern skills: -Edge device development for shopfloor. -Development of I4.0 solutions to improve efficiency and productivity. -Production line data extraction, data transformation, visualization, and analysis. -Automatization of visual inspection and/or manufacturing processes.	Information Technology engineering	M	English : Business level	Near the Tobu Tojo Line or JR Kawagoe Line We plan to have a location where you can attend both the Japanese language school and the intern location from August to March of the following year, without having to move. so that you can commute to both the Japanese language school and the training site.		3-13-26, Yakyu-cho, Higashi-Matsuyama-shi, Saitama, 355-8603, Japan
19	Jikantechno Inc.	2	Research and Development Division	Materialization of biomass materials	Training in processes and processing techniques to materialize plant-derived wastes, mainly agricultural residues	Advanced Materials Science, Department of Applied Science, Applied Biochemistry, etc. with a carbon theme preferred.	U or M	No requirement	In Tokyo area for first 2 months for Japanese language school, in Izumi City area, Osaka, for next 6 months for internship (Around Rinku Town Station, Nankai Electric Railway)		139-1 Shimowaya, Izumi-shi, Osaka-fu, 598-0062, Japan
20	NTT Basic Research Laboratories, NTT Corporation	1	Quantum Optical Physics Research Group, Advanced Applied Physical Science Laboratory,	Valley and spin manipulation in two-dimensional materials	The accepted student will join our research project, in which we aim at establishing novel principles and techniques for manipulating valley and spin properties in two-dimensional materials. He or she will have a chance to experience a variety of experiments, including device design, sample fabrication, time- and spatially resolved optical measurements, ultra-low-temperature experiments, and programming for measurements and analysis.	Condensed-matter physics, Quantum physics, Electrical engineering, Nanoscience, etc.	M or D	English: Capable of reading, writing, and communicating fluently Japanese: No requirement	〒243-0001 6-16 Higashicho, Atsugi City, Kanagawa Prefecture (Libri NeoVita, Room number not yet assigned) Tel: 046-240-3431 Nearest station: Odakyu Line "Hon-Atsugi"		3-1 Morinosato Wakamiya, Atsugi City, Kanagawa Prefecture, 243-0198, Japan
21	NTT DATA Group Corporation	1	Apps&Data Technology Department., Technology and Innovation General Headquarters	Leveraging LLM for COBOL Code Modernization	The internship will be structured around the following phases: 1. Business goal identification: The goal is to improve efficiency of legacy system modernization. Identify tasks suitable for leveraging LLM for modernization. Examples: -Generate documents for COBOL code. -Create test cases for translated code. -Translate COBOL to modern language. 2. ML problem framing: Define what to inference and set performance metrics for success. 3. Data Processing: Preprocess COBOL code for effective use with LLM. 4. Model Development: Use prompt engineering and fine-tuning to improve accuracy. Evaluate results based on accuracy and development efficiency improvements.	Required: Programming experience (Python) Preferred: familiarity with computer science such as software engineering, and data science	M or D	In principle, English is required; Japanese is preferable if possible	Undecided. Planning to be near Kikukawa Station on the Toei Shinjuku Line.		Toyosu Center Bldg. Annex, 3-9, Toyosu-3-chome, Koto-ku, Tokyo, 135-8671, Japan
22	NTT DATA Group Corporation	1	Innovation Center, Innovation Technology Dept., Technology and Innovation General Headquarters	Utilization of Digital Twin in Urban Areas	Our center is promoting the use of digital twin as an advanced technology. Digital twin is being applied across a wide range of industries. One such application is the analysis of pedestrian and vehicle traffic in urban areas. We aim to simulate potential congestion points on roads or specific locations by monitoring the real-time movement of vehicles and people through sensors. Based on these simulations, we collaborate with relevant organizations to implement proactive measures to mitigate congestion. Our team is engaged in visualization, simulation, and countermeasure implementation in various fields. We are particularly focused on improving the accuracy of our simulations.	Required : Programming experience Preferred : Mathematical optimization and simulation	M or D	English is required. Japanese, it is desirable to be able to read, write, and communicate, but at a minimum, the ability to communicate is preferred.	Undecided. Planning to be near Kikukawa Station on the Toei Shinjuku Line.		Toyosu Center Bldg. Annex, 3-9, Toyosu-3-chome, Koto-ku, Tokyo, 135-8671, Japan
23	NTT DATA Group Corporation	3	Innovation Center, Innovation Technology Dept., Technology and Innovation General Headquarters	AI or Quantum Computing Research / Development	In our organization (Innovation Center), we are working on multiple emerging technologies (Quantum Computing, Digital Human, Smart Robotics, AI on Satellite data and so on). The intern students will focus on one of the themes (based on skill set, interests and possible projects) and will work on prototype developments or technical validation projects. Intern students can experience research/survey, technical problem identification, solution design, prototype development (not necessary as software but possibly AI algorithm or AI solution architecture) , quantitative validation, presentations. Innovation Center is a global initiative in NTTD and we have members not only in Japan but also Italy, Germany, Spain, Denmark, U.S., India and we work on Japanese projects as well as global joint projects. Intern Students can experience globally collaborative projects.	AI, Data Science, Machine learning or mathematical optimization is preferable (Specialization on Computer Science, Math, Physics could be accepted)	U or M	English is essential. Japanese is not mandatory, but nice to expand your network outside of the team	Undecided. Planning to be near Kikukawa Station on the Toei Shinjuku Line.		Toyosu Center Bldg. Annex, 3-9, Toyosu-3-chome, Koto-ku, Tokyo, 135-8671, Japan

