
Koichiro Amakasu

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Work Permit / Visa Status : USA (US F-1)

Education Background

KEIO UNIVERSITY (TOKYO : JAPAN)

Bachelor / Graduation Date : 2027/03

Econometrics GPA: 2.6

At university, in addition to microeconomics and management, I study econometrics in Professor Isao Yamamoto's seminar, where I analyze topics such as the relationship between corporate governance and wage levels, and between ESG and the labor share, using panel data analysis and causal inference in R and Python. In my second year I was a member of the university swimming team, where I became aware of the inefficiency of having practice time reduced by desk work that tends to be assigned to underclassmen. Taking the initiative to digitalize and automate these workflows became the trigger for me to engage seriously in software development. In parallel, I learned C from scratch in order to enroll in 42Tokyo, an engineer training institution supported by the DMM.com group, and passed its competitive admission exam. Together with peers I met there, I also gained experience developing web services. Currently, I am working on full-stack development, from design focused on being "easy to use even for non-engineers" to front- and back-end implementation, for my seminar's official website and a self-built headless CMS. Through these experiences, I aim to become a person who can tackle social issues from both a data-analysis and an engineering perspective.

UNIVERSITY OF HAWAII, MANOA (HI : USA)

Exchange Program / 08/2025 ~ 05/2026

Software Engineering

I have been enrolled at the University of Hawaii at Mānoa as an exchange student since Fall 2025, focusing on Information and Computer Sciences (ICS) courses and systematically studying Java, web application development using Next.js and TypeScript, and software engineering. Outside of class, I built my own flashcard web application in response to a local student's frustration with changes to an existing flashcard service, taking responsibility for the entire process from requirements definition and UI design to implementation and operations. I also obtained a local driver's license and a scuba diving license, actively immersing myself in a new environment and deepening my understanding of everyday life and safety. In addition, I work as a student AI engineer in a campus research lab, where I continuously learn new technologies while gaining experience in team-based development and technical communication in English. By being paid in US dollars and directly experiencing not only rising prices but also rising wage levels, I am striving to deepen my understanding of inflation and the economic structures behind it.

Work History

emole Inc. (Entertainment)

Founder and CEO of a web development and consulting business. The company provides end-to-end website and e-commerce solutions, including planning, design, development, and ongoing management. Clients range from small businesses to individual entrepreneurs in Japan and the United States.

2024/07 - 2025/05 (Part Time)

Software Engineer

(Job Category : Software Engineer Career Level : Intern)

As a software engineer, I was mainly responsible for developing internal systems to improve operational efficiency. In particular, I designed and implemented Python scripts and built a batch-processing platform integrated with Google Cloud Run and Google Apps Script to automate the process of generating copyright royalty reports for content providers. This reduced both the workload and error risk from data aggregation and

formatting through to report output. Working closely with business-side staff, I also helped identify issues in existing workflows, define requirements, design specifications, and prepare operational documentation, gaining experience with agile development and continuous improvement in a small team.

2024/07 - 2025/05 (Part Time)

Sales

(Job Category : Sales Career Level : Intern)

In addition to my engineering role, I also handled sales meetings with production companies and creators that owned original content. I was mainly responsible for copyright management and royalty distribution discussions, explaining post-contract workflows, and reviewing contract documents.

Most Recent Annual Salary : 0

Certificates / Skills / Self-PR

Japanese : Native level , English : Native level , Chinese-Mandarin : Intermediate level , Korean : Intermediate level

Language : IELTS6.5 , Transportation / Traffic : Japanese Ordinary Driver's License , Transportation / Traffic : Hawaii Driver's License

At university, I study econometrics in Professor Isao Yamamoto's seminar, analyzing the relationship between corporate governance or ESG and wages / labor share using panel data in R and Python. Through this work, I have developed the habit of looking at companies not only through numbers, but also by asking "from which systems and processes was this data generated?". In parallel, I became deeply interested in how web services work end-to-end and developed my own headless CMS from scratch. I also redesigned and rebuilt my seminar's official website, as I was concerned about the long-term operational risks of relying on a small external vendor's service. These experiences have helped me build a mindset that evaluates both business operations and IT infrastructure, focusing on risk as well as growth potential.

After passing the selective admission process for 42Tokyo and learning C from the ground up, I worked as a student engineer at a smartphone short-drama streaming startup. I saw that the manual process of creating copyright royalty reports involved a high risk of aggregation errors and over-reliance on specific staff. To address this, I built an automated batch processing system using Python integrated with Google Cloud Run and Google Apps Script. I handled the entire process from interviewing business stakeholders and defining requirements to database table design, log output, and access control design, contributing to both reduced workload and stronger controls, as well as more accurate revenue management. Through this project, I learned how to understand on-site operations, identify bottlenecks, and use technology to enhance value.

At the University of Hawaii at Mānoa, I am studying Java, web application development, and software engineering in computer science-related courses, while also working as a student AI engineer in an on-campus research lab. Working with generative AI and cloud environments has exposed me not only to their convenience, but also to new risks such as data protection, access control, and model bias. By working in development teams where requirements are discussed in English, I have strengthened my ability to keep learning proactively in a cross-cultural environment and to view the benefits and risks of technology in a balanced way. Going forward, I hope to build on my experience in data analysis, product development, and understanding of real-world operations to plan and develop software that uses cloud and AI to solve on-the-ground problems and contribute to creating services that function as part of society's infrastructure.
