

HARUKA TAKAHIRA

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EXPERIENCE

JANUARY 2021 – MARCH 2022

DATA ANALYST INTERNSHIP, STANDARD INC.

- Research public big data and APIs on traffics and facilities information, and develop proof of concept for the Japanese largest car navigation supplier
- Analyze data of client company's recruiting service using TensorFlow

SEPTEMBER 2021 – SEPTEMBER 2022

FOUNDER LEAD, GOOGLE DEVELOPER STUDENT CLUBS KEIO

- Selected as the Japanese first lead of Google Developer Student Clubs by Google
- Built a team from scratch, eventually registering over 70 members from more than 10 universities
- Focused on developing apps to solve everyday problems, leading to the creation of 6 apps within a year from our team, with a total of over 100K downloads

MARCH 2022 – SEPTEMBER 2022

SOFTWARE ENGINEER INTERNSHIP, MONOBUNDLE INC.

- Create frontend design from scratch with Figma
- Maintain the company's web application with React.js and Express.js
- Lead the frontend team supporting 2 team members and developed an NFT marketplace web app

AUGUST 2022 – PRESENT

FOUNDER CEO, FUTURIUM (PREVIOUS OPLAND)

- Lead a team of 6 international students communicating in English
- Create the business plan and received an investment proposal of ¥10,000,000 from a venture capital
- Chosen to Top 36 out of 200+ teams at Tokyo Web3 Summer Hackathon and have a pitch in English
- Release an AI business assistant app for small businesses in Indonesia and scooped by a newspaper

JULY 2023 – SEPTEMBER 2023

SOFTWARE ENGINEER INTERNSHIP, MERCARI INC.

- Work at a team of ML-driven credit evaluation system for payments
- Develop a ML-Ops data pipeline using Python and Apache Airflow

EDUCATION

APRIL 2020 - PRESENT

B.A. IN SYSTEM DESIGN ENGINEERING, KEIO UNIVERSITY

- Study computer science, robotics, construction architecture, and seek interdisciplinary solutions
- Received International Human Resource Development Funds Scholarship from Keio University
- Research and write a paper on the application of generative AI in optical design at Design and Manufacturing Lab

SEPTEMBER 2023

KEIO-UCSB EXCHANGE PROGRAM, UNIVERSITY OF CALIFORNIA, SANTA BARBARA

- Discuss on the impact of the accessibility gap on big data
- Collaborate with master students at UCSB, presented the research result, and get a top presentation reward by the university

SKILLS

SOFTWARE DEVELOPMENT

- 4 years of experience of web development
- 1 year of experience of 3D game development (Panda3D-Python)
- 1 year of experience in blockchain-based web apps using Solidity, Ethers.js
- Released an AI assistant web app boosted by knowledge graph and blockchain-based prediction market app
- Tech Stack: Web Frontend - React.js, Next.js, Three.js (TypeScript) / Web Backend - Python (Django, Flask, FastAPI), TypeScript (Nest.js, Express.js), Go / Mobile – Dart (Flutter)

DATA ANALYSIS / MACHINE LEARNING

- 2 years of working experience with Pandas, Matplotlib, PyTorch, and TensorFlow
- 1 years of researching experience on deep learning at our laboratory
- Develop a differentiable ray tracing module using PyTorch
- Write a paper on GAN for optical design using original loss function powered by ray tracing module
- Have a JDLA Deep Learning for GENERAL 2021#1 certification

ACTIVITIES

HAIT Lab (Student Group of Data Science) Vice President (January 2021 – December 2021)

- Teach over 130 university students how to use machine learning libraries and run a data science competition
- Over 30 students have reached a level where they can gain practical experience as interns