

Yuehao Fu

(412)721-8463 | yuehaofu207@gmail.com | /in/yuehao-kate-fu-87b5bb1b2 | <https://kathrinefu.github.io/personal-portfolio/>

EDUCATION

Carnegie Mellon University

May 2023

Master of Information Systems Management

Coursework: Foundation in Computer Systems, NoSQL Databases, Web Application Development, and Distributed Systems

Shanghai University of Economics and Finance

June 2021

Bachelor of Information Management and System

Coursework: Mathematical Statistics, Machine Learning, Java&C++&Python Programming, Algorithms Design, and Database

SKILLS

Programming Language: Java, Python, JavaScript, TypeScript, C, C++, Swift, Dart, Ruby, HTML, CSS, SQL

Web & Mobile Development: Spring, Springboot, React, NodeJS, Django, Ruby on Rails, Jarkata EE/J2EE, Flutter

Dev Tools: AWS, Heroku, Kubernetes, Elastic Search, Docker, Hadoop, Spark, MySQL, MongoDB, Postman, Git, PowerBI

WORK EXPERIENCE

SpurSMB, a startup company in software automation for small business

Remote, US

Software Engineer, Intern | JavaScript, TypeScript, NodeJS, NextJS, React, HTML, CSS, Azure

July 2022 - Current

- Developed the company web platform using **Typescript**, **React**, and **Redux** for the frontend, and **NextJS** for the backend. Created 10+ Redux slices and custom hooks to facilitate backend API calls. Created multistep user signup functionality.
- Implemented Restful APIs in the backend, scrapped web data with **Axios**, used **NextJS Schedule Cron** to perform task scheduling, used **Injectable** for OOP, **Logger** for debugging, and connected to **Azure** database to enhance responsiveness.

Senuelo Advertising, a creative advertising agency

Adelaide, Australia

Software Engineer, Intern | Python, FastAPI, JavaScript, HTML, CSS

May 2022 – July 2022

- Implemented a **web service** based on **GPT-3** as an internal system to perform AI article generation from user input prompt.
- Performed **data crawling**, **cleansing**, and applied **natural language processing** model (**BERT**) for 10k+ published blog posts to categorize keywords, identify hot trends and finetune the generated article.
- Helped the company in less reliance on external article generation products, thereby reducing purchasing costs by **5%**.

Impact, an affiliate marketing company

Shanghai, China

Solution Architect, Intern | JavaScript, Restful API, Client Communication

January 2021 – May 2021

- Communicated with potential clients about their needs and provided them with technical integration plans using **Javascript** and **Restful API** to help them quickly onboard.
- Collaborated with engineering teams from **10+** international companies to integrate their business with the Impact system, including Adidas, DHGate, and OnePlus; Successfully handled the complete integration of **5+** international companies.
- Troubleshoot clients' problems with Postman API data analysis, decreased client resolution time by **15%**.

ACADEMIC & PROJECT EXPERIENCE

Capstone Project, MyRadiology360 Mobile APP | Dart, Flutter, Firebase, Figma, Jira

January 2023- April 2023

- Developed a **cross-platform mobile application** for Bayer Healthcare Radiology Department that aimed to help patients with disease prevention, and early detection. Thereby introducing more people into radiology earlier and increasing sales.
- Performed the entire product lifecycle, from requirement analysis and design to development, testing, and handover.
- Used **Flutter**, a mobile framework, to develop the application, utilized **Figma** for UI design, integrated **Firebase** as the backend database, and followed the **agile** methodology using **Jira** for project management.

Team Project, FurryWayHome Website | Python, Django, JavaScript, HTML, CSS

November 2022

- Implemented a full-stack website for animal adoption and virtual pet raising using Python Django Framework, used **JavaScript** with **jQuery** and **Ajax** in the front end, and deployed on **AWS**.
- Integrated Google OAuth, Stripe payment, and Google Map API to enhance the functionality of the website.

Independent, Crowdfunding Website | Java, Spring, Springboot, SpringCloud, Spring Security, MySQL, JavaScript

June 2022

- Built a full-stack website for crowdfunding purposes with **SpringBoot**, **SpringCloud**, **MySql**, and **JavaScript**.
- Realized functions include membership management, authentication, authority management, project initiation, and payment.