Jiaming LIU

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EDUCATION

East China Normal University (ECNU)   **Shanghai, China**
B.S. in **Software Engineering**, GPA: 3.43/4.00   *Sept. 2020 – July. 2024 (Expected)*

University of California, Berkeley   **Berkeley, CA**
Exchange Student, Berkeley International Study Program (BISP), GPA: 3.73/4.00   *Aug. 2022 – May. 2023*

INTERNSHIP EXPERIENCE

Datatist, Inc. | *Data Analyst Intern*   **Shanghai, China |** *Oct. 2023 – Jan. 2024*
Wuxi Rural Commercial Bank Credit Acquisition Project
- Conducted comprehensive data analysis leveraging statistical methods and data visualization tools such as Python **(Pandas, Matplotlib)** and SQL for data querying and manipulation.
- Collaborated with cross-functional teams to integrate data insights into business strategy, enhancing the effectiveness of marketing campaigns for personal loan products.
- Enhanced the recommendation effect of personal loan products by **30%** for Wuxi Rural Commerce.

ICBC Shandong Branch Project
- Utilized SQL and Python to address user attrition challenges.
- Increased the 60-day retention rate by **22%** for the debit card first-binding gift campaign through meticulous data analysis and a data-driven approach.

Ericsson | *Software Development Engineer Intern*   **Shanghai, China |** *June. 2023 – Oct. 2023*
Full-stack Developer for Smart Log Analyzer, Mobility Control Plane Department
- Led the design and development of a **cross-platform** Web tool for JSON log analysis, **data extraction**, and **data visualization**.
- Conducted the full-stack development of the Web tool; realized the frontend using **Vue3**, integrating data visualization features through **Echarts**, and deploying as an Electron client application to enhance user experience.
- Utilized **Django** for backend operations and executed Python-driven data extraction processes to ensure efficient data flow and management; implemented **PouchDB** as a browser database to improve operational efficiency.
- Crafted and refined component style and user interface prototypes using Figma, ensuring coherent and user-centric designs.

Web System Developer for Ericsson 3GPP Innovation Project
- Collaborated to develop an intuitive web system for global employees to facilitate online protocol browsing. Integrated the **Haystack + Solr** search engine framework to support advanced abbreviation search functionalities, optimizing search results for user queries.
- Employed **Flexsearch** on the browser-side for individual agreements, enabling precise in-document keyword search, which enhanced the user experience when navigating through lengthy agreements.
- Deployed **Postgresql** on remote **Linux** using **Docker** for data management.
- Participated in both **frontend (Vue3)** and **backend (Django)** development, ensuring cohesive and seamless user experiences.
- Utilized Django drf_yasg backend Swagger as API documentation tool to improve the team's development efficiency.

DHC MediWay Technology Co., Ltd. | *Software Development Engineer Intern*   **Beijing, China |** *June.2022 – Aug. 2022*
- Collaborated to a **Vue-Springboot** project by developing **front-end pages** and refining component style.
- Revised user documentation and conducted unit tests to identify major bugs before project bidding.

RESEARCH EXPERIENCE

Online Python Engineering Applications   **Edmonton, Canada**
Under the supervision of Prof. Samer Adeeb, University of Alberta   *Jan. 2024 – Apr. 2024(Expected)*
- Will contribute to the development of *MecSimCalc,* an interactive web platform for creating and sharing computational tools, focused on both frontend and backend enhancements.
- Responsibilities will include designing user-centric applications and integrating advanced features to cater to diverse educational and professional needs.

PROJECT EXPERIENCE

Design of Document Management System with Vue - Spring Boot   **Shanghai, China |** *Apr. 2022 – July. 2022*
- Served as the **team leader** to conduct demand analysis and oversaw the project's progress.
- Grasped new concepts of **HTTP protocols, Spring Boot framework,** and **Git**, used **Vue** framework and **Element-Plus** to set up the Front-End Web Development Project; created a back-end database for the website using MySQL.
- Drafted the course project report, which **ranked 1/30 of the class**.

COMPETITION EXPERIENCE

Design of College Students' Fitness WeChat Mini-Program with Uni-app   **Shanghai, China**
China College Students' Innovation and Entrepreneurship Competition   *Nov. 2021 – Sept. 2022*
- Participated in the demand analysis and market research of the health management mini-program at WeChat platform; conducted a comparative analysis with other health management APPs.
- Used **Figma** to complete the **front-end UI design** (about 25 pages).
- Won the second prize at the university level with the proposed mini-program.

SKILLS

- Technical: **Python, Java, React, Vue3, Django,** SQL, RISC-V, JavaScript/TypeScript, Git, Swift/SwiftUI
- Languages: Mandarin (Native), English (Fluent)
- Hobbies: Magic, Film photography, Digital Drawing/Illustration