Yujia Wang

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EDUCATION

University of Maryland, College Park	M.S. in Information Science (3.96/4.0)	Aug. 2023-May. 2025
Fudan University, Shanghai, China	M.A. in Computational Linguistics	Sep. 2018-Jun. 2021
Zhejiang University, Hangzhou, China	B.A. in Linguistics (3.9/4.0 ranks 3rd)	Sep. 2014-Jun. 2018

- **Relevant coursework:** Java; Fundamentals of Computer Science; Advanced Mathematics

SKILLS

Language and Framework: Java | Python | Spring Boot | JavaScript | HTML | CSS | Vue | React | Node.js

Databases: SQL | MySQL | Microsoft SQL Server | MongoDB | Redis | PostgreSQL | FireBase | Pinecone

Tools: Git | AWS | Azure | Google Cloud | Docker | Kubernetes | Jenkins | Kafka | Swagger | Figma | Jira | Linux | Spark | Power BI | Tableau

EXPERIENCE

Software Engineer Fellow, HeadStarter AI (Startup)   Aug. 2024-Nov. 2024

- Completed 6 **full-stack** projects including AI Customer Support, AI Professor Rating, AI Flashcard, etc. in a fast-paced environment using **React**, **Next.js and TypeScript** for frontend, **Node.js** and **Python** for backend
- Utilized **Firebase** for data storage, **Pinecone** for efficient information retrieval, **OpenAI's** language model for generating human-like responses, **Git** for coding collaboration and **Vercel** for deployment and CI/CD pipelines

Software Engineer Intern, VoiceOut Ltd. (Startup)   May. 2024-Aug. 2024

- Designed and engineered an iOS application for mental health, implementing 15+ key features using **Swift** and **Express.js** in an **Agile** environment
- Implemented robust data architecture using **MongoDB** for user profiles and health records, with **Redis** caching to handle 100+ daily active users, reducing app loading time by approximately 20%
- Created 20+ high-fidelity **Figma** prototypes and conducted user testing sessions, achieving 85% user satisfaction
- Leveraged **AWS** services (**S3** for media storage, **Lambda** for push notifications, **EC2** with Auto Scaling and Load Balancer for backend processing) to build reliable backend infrastructure, ensuring high uptime around 99%

Software Engineer Intern, FYTech Co., Ltd.   Oct. 2023-Jan. 2024

- Contributed to a **microservices**-based application for event management using **Java**, **Spring Boot** and **Vue**, delivering 8 core features in a **distributed system** environment
- Built a scalable and robust database architecture with **MySQL** and **Redis**, implementing caching and **message queue** for asynchronous tasks like email delivery, resulting in about 15% faster response time
- Developed 25+ **RESTful** APIs with **Spring Boot** and **MyBatis**, enabling real-time search, filtering, and rating features that enhanced the user experience and engagement
- Conducted 100+ integration testing, debugging and optimization in collaboration with senior developers, utilizing **Git** for version control, **Maven** for building the modules, **Postman** for testing and **Jenkins** for CI/CD pipelines

Data Analyst, Abbott Ltd.   Oct. 2019-Mar. 2020

- Performed deep-dive Exploratory Data Analysis (EDA) on 5,000+ customer records and translated findings into interactive **Power BI** dashboards
- Developed and deployed **machine learning models** using **Python** and **Azure ML** to predict campaign performance metrics, optimizing customer targeting by approximately 25%

Front-End Developer Intern, Bosch Investment Ltd.   Jun. 2019-Oct. 2019

- Assisted in the design of interactive and browser-compatible pages for branding campaigns such as the *Annual Sustainability Report* using **HTML5**, **CSS3**, **jQuery**, and **JavaScript**
- Collaborated with managers, UI/UX designers and other developers to enhance functionality and user experience

PROJECTS

Amtrak Capstone: Automated Document Processing & Records Management System

- Led a team to implement an automated email retention system for Amtrak using **Microsoft Purview**, integrating compliance policies to classify and store emails based on content and sender/receiver roles
- Spearheaded a **Python-based automation pipeline** integrating **Exchange APIs** and **NLP models** to automate metadata extraction, email classification, and retention policy enforcement, reducing manual intervention