

Yujia Wang

Washington Metropolitan Area

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EDUCATION

University of Maryland, College Park	M.S. in Information Science (3.95/4.0)	2023.08-2025.05
Fudan University, Shanghai, China	M.A. in Computational Linguistics	2018.09-2021.06
Zhejiang University, Hangzhou, China	B.A. in Linguistics (3.9/4.0 ranks 3rd)	2014.09-2018.06

• **Relevant coursework:** Java, Fundamentals of Computer Science, Advanced Mathematics

SKILLS

- **Language and Framework:** Java | Python | Spring Boot | JavaScript | HTML | CSS | Vue | React | Node.js
- **Database Management:** SQL | MySQL | Microsoft SQL Server | MongoDB | Redis | FireBase | Pinecone
- **Tools:** VSCode | Eclipse | GitHub | AWS | Azure | Docker | Jenkins | Figma | Jira | Linux | Tableau | PowerBI

EXPERIENCE

VoiceOut Ltd.	Software Engineer Intern	2024.05-2024.08
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- Designed and engineered an iOS application for mental health, implementing 15+ key features using **Swift** and **Express.js** in an **Agile** environment, employing **OOD&OOP** concepts for feature development
- 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) to build reliable backend infrastructure, ensuring high uptime around 98%

FYTech Co., Ltd.	Software Engineer Intern	2023.10-2024.01
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- Designed and engineered a web application for event management using **Spring Boot** and **Vue**, delivering 8+ core features with 95% code coverage
- Designed scalable database architecture with **MySQL** and **Redis**, implementing caching and **message queue** for asynchronous task processing, resulting in about 20% faster response time and handling 300+ concurrent users
- Developed over 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, **Jenkins** for CI/CD pipelines

Abbott Ltd.	Data Analyst	2019.10-2020.03
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- Participated in the front-end development of 3 social media campaigns using **HTML**, **CSS** and **JavaScript**
- Developed and deployed **machine learning models** using **Python** and **Azure ML** to predict campaign performance metrics, optimizing customer targeting by approximately 25%

Bosch Investment Ltd.	Front-End Developer Intern	2019.06-2019.10
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- Assisted in the design of dynamic 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

HeadStarter AI Software Engineer Fellowship

- 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, and **OpenAI**'s language model for generating human-like responses

Microsoft Fabric & AI Learning Hackathon

- Prototyped an AI-driven grocery management system featuring inventory tracking and optimized data retrieval
- Built a solution using **Azure OpenAI** to enable retrieval-augmented generation, incorporating object detection model training and deployment
- Utilized **Git** for coding collaboration and **Vercel** for deployment and CI/CD pipelines