

Yujia Wang

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EDUCATION

University of Maryland, College Park	Master of Science in Information Science 3.96 GPA	Aug 2023 - May 2025
Fudan University	Master of Arts in Computational Linguistics	Sep 2018 - Jun 2021
Zhejiang University	Bachelor of Arts in Linguistics Outstanding Student Award	Sep 2014 - Jun 2018

• Relevant Coursework: Java Programming; Fundamentals of CS; Calculus

SKILLS

Languages Java · Python · SQL · JavaScript · HTML · CSS
Frameworks & Libraries Spring Boot · Vue · React · Node.js · Next.js · Bootstrap
Databases MySQL · MS SQL Server · PostgreSQL · MongoDB · Redis · Firebase · Pinecone · Supabase
Cloud & DevOps AWS · GCP · Azure · Docker · Kubernetes · Jenkins · Git · Linux · Swagger · Kafka · Maven · Gradle
Others Figma · Jira · Power BI · Tableau · iOS · Agile Methodology

EXPERIENCE

Software Engineer Fellow HEADSTARTER	Aug 2024 - Nov 2024 New York, NY
<ul style="list-style-type: none">Completed 6 AI-engineering and full-stack projects (e.g., AI Customer Support) in a fast-paced team environmentBuilt responsive frontends using React, Next.js, and TypeScript, and robust backends using Node.js and PythonIntegrated Firebase for data storage, Pinecone for efficient retrieval, and OpenAI API to generate human-like responsesConfigured Clerk for user authentication and linked Stripe for payment handlingUtilized Git for coding collaboration and Vercel for deployment and CI/CD pipelines	
Software Engineer Intern VOICEOUT (Startup)	May 2024 - Aug 2024 New York, NY
<ul style="list-style-type: none">Designed and engineered an iOS mental health app with 15+ features using Swift, Express.js, and Agile practicesBuilt robust data architecture with MongoDB for health records and user profilesAdopted Redis caching to support 100+ DAU and reduced app loading time from 5.2s to 3.9sCreated 20+ high-fidelity Figma prototypes, achieving 85% 1-week user retention rate and positive usability feedbackLeveraged 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 Engineering Intern FYTECH	Oct 2023 - Jan 2024 Remote
<ul style="list-style-type: none">Contributed to a microservices-based event management app with 8+ core features using Java, Spring Boot, and VueEngineered 25+ RESTful APIs with Spring Boot and MyBatis to support real-time search, filtering, and rating, etc.Optimized data architecture with MySQL and Redis, reducing response time by ~15% via caching and async tasksImplemented OAuth 2.0 authentication and role-based access control (RBAC) to secure API endpointsUtilized Git for version control, Maven for module building, Postman for testing and Jenkins for CI/CD pipelines	
Data Analyst Intern ABBOTT	Oct 2019 - Mar 2020 Shanghai, China
<ul style="list-style-type: none">Performed Exploratory Data Analysis on 5,000+ customer records and translated findings into Power BI dashboardsPredicted campaign performance using Azure ML, boosting targeting accuracy by 25%	
Front-End Developer Intern BOSCH	May 2019 - Oct 2019 Shanghai, China
<ul style="list-style-type: none">Assisted in the design of <i>Bosch Annual Sustainability Report 2019</i> using HTML5, CSS3, and JavaScriptCollaborated with managers, UI/UX designers and other developers to enhance functionality and user experienceMaintained and updated the internal communication website <i>Bosch-Zünder</i>	

PROJECTS

Amtrak Document Automation & Management System Capstone Project (~200 hours)	Jan 2025 - May 2025
<ul style="list-style-type: none">Led a team to build an automated email retention system for Amtrak using Microsoft PurviewIntegrated compliance policies to classify and store emails based on content and sender/receiver rolesDeveloped an NLP-based pipeline to classify emails and apply retention rules via Exchange APIsArchitected a scalable framework aligned with Amtrak's regulations and a deployment roadmap	