

# Yujia Wang

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## EDUCATION

University of Maryland, College Park	M.S. in Information Science   3.96 GPA	Expected Graduation: May 2025
Fudan University	M.A. in Computational Linguistics	Sep 2018 - Jun 2021
Zhejiang University	B.A. in Linguistics   Outstanding Student Award	Sep 2014 - Jun 2018

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

## SKILLS

**Languages** Java(5yrs) · Python(3yrs) · SQL(3yrs) · JavaScript (3yrs) · HTML (3yrs) · CSS (3yrs)  
**Frameworks & Libraries** Spring Boot · Vue · React · Node.js · Next.js · Bootstrap  
**Databases** MySQL · MS SQL Server · PostgreSQL · MongoDB · Redis · Firebase · Pinecone  
**Cloud & DevOps** AWS · GCP · Azure · Docker · Kubernetes · Jenkins · Git · Linux · Swagger · Kafka · Maven · Gradle  
**Others** Figma · Jira · Power BI · Tableau · iOS · Agile Methodology

## EXPERIENCE

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

## PROJECTS

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