Zixiang Wang

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EDUCATION

Syracuse University — Syracuse, NY — Aug 2021 - May 2023
Master of Science - MS, Computer Science — GPA: 3.5/4.0 (Core)

Hefei University of Technology — Hefei, Anhui, China — Sep 2017 - Jun 2021
Bachelor of Science - BS, Computer Science

EXPERIENCE

Google — **Software Engineer** — Mountain View, CA — Nov 2024 - Present

- Designed and implemented **backend infrastructure** for the next-generation Google Analytics and Ads platform, working with the top x largest datasets in the company.
- Developed scalable **pipelines** for **real-time** and **streaming data processing**, utilizing **C++** to ensure high throughput and low latency for **big data** workflows.
- Developed monitoring tools using **Python** to ensure the reliability and performance of data pipelines.
- Built robust **infrastructure** to support advanced modeling and prediction capabilities, enabling data-driven insights and informed decision-making.
- Partnered with cross-functional teams to deliver actionable insights and decision-making data through a highly scalable and efficient infrastructure.

Microsoft (Vendor, via iSoftStone) — **Software Engineer** — Remote — Jul 2023 - Oct 2024

- Developed and implemented web components for **Microsoft's OneCloud** team, using **JavaScript**, **CSS**, **HTML**, and **Figma**. Additionally, contributed to the ReimagineUI library through the creation of new components, sample use cases, and updating outdated documents.
- Deployed UI components to **Adobe Experience Manager (AEM)**, featuring updates to the core framework, policy, component templates, and dialogs using expertise in **Java**, **C#**, and **XML**.
- Pioneered the development of Accessibility AI tools using **Python**. Implemented **Machine Learning** and **NLP** models to generate data insights using OpenAI and AltTextAI. Enhanced implementation with **multi-threading**, leading to a 300% increase in average efficiency.
- Scripted in **Python** for automated data validation and narrative generation across diverse sources.
- Constructed **CI/CD** pipelines on **GitHub** to automate deployment to **Microsoft Azure Cloud** services, including **Function App** and **Static Web Apps**.
- Utilized version control with **Git**, and employed **Agile** development methodologies within **Azure DevOps**.

iSoftStone — **Software Engineer Intern** — Shenzhen, China — Jul 2020 - Sep 2020

- Developed robust **back-end APIs** for **data visualization** platform named **A-Data**.
- Designed and developed **RESTful API** for authentication and data portal module using **Spring** and **Java**.
- Applied **Asynchronous Programming** to create threads, effectively boosting overall performance.
- Devised a storage system utilizing **MySQL** and **XML**, ensuring seamless data management.
- Leveraged **Navicat** for proficient database management and **Postman** for meticulous API testing.
- Tracked changes with **SVN** and executed project deployment on servers via **Jenkins**. on server.

TECHNICAL SKILLS

Languages: Python, C/C++, Java, C#, Kotlin, SQL, HTML, CSS, JavaScript, XML

Frameworks: Spring Boot, Django, React, AWS, Microsoft Azure, Azure DevOps, GCP, Firebase, Jenkins, GitHub Actions, Docker, CI/CD, Android, PyTorch, Nginx, Qt, Linux, Git