SHAOQI WANG

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EDUCATION

University of Washington, Paul G. Allen School
Bachelor of Science in Computer Science GPA: 3.97/4.00 Sept. 2020 - Dec. 2022
Master of Science in Computer Science GPA: 3.94/4.00 Jan. 2023 - Dec. 2024 (Expected)
Selected Courses: Distributed Systems, Compiler Construction, Programming Languages, Computer Security, Systems Programming, Operating Systems, Computational Fabrication, Computer Communication Networks, Database Systems Internals, Data Structures, Algorithms, Nature Language Processing, Computer Vision.

EXPERIENCES

LinkedIn, New York, New York Jun. 2023 - Sept. 2023
Software Engineering Intern
- Built a real-time stream processing pipeline to help advertisers resolve issues with ads impression, reclaiming $11.8 million annual revenue.
- Collaborated with multiple cross-functional teams and contributed to end-to-end business logic for nearline processing, mid-tier, and backend components spanning across three distinct codebases.
- Utilized **Samza** and **Kafka** to support critical data streaming and messaging capability.

Amazon, Seattle, Washington Jan. 2023 - Mar. 2023
Software Engineering Intern under AWS DynamoDB
- Conducted comprehensive research on long tail latency under high system utilization.
- Developed an internal service log parser to handle large-sized service logs. Used **buffer stream reader** to efficiently read massive amounts of data and extracted key information.
- Integrated request router metrics into capacity test tool, improving understanding of latency dynamics for developers. Set up automatic testing pipelines and persisted results for server response time test.

LinkedIn, Sunnyvale, California Jun. 2022 - Sept. 2022
Software Engineering Intern
- Developed a production-grade and organization-wide CLI tool using **Python** to analyze revenue impact due to operational incidents.
- Improved runtime from over 10-20 minutes to less than 5 seconds, by transitioning from the manual procedure of visually inspecting metric and hand calculations to executing a streamlined CLI command.
- Presented the tool to more than 100 audiences including several corporate executives to promote adoption.

Bond Intelligence, Seattle, Washington July 2020 - Sept. 2020, June 2021 - Sept. 2021
Full-Stack Software Engineering Intern
- Built a data scraping pipeline for data analysis using **Beautiful Soup** and **Selenium**.
- Implemented interactive and mobile-friendly web user interface with JavaScript, HTML, and CSS.
- Maintained and improved openexa.com, a website serving municipalities, by implementing the capability to generate performance indicator reports and building a vital front page to attract users and promote products.

Microsoft, Redmond, Washington June 2019 - Aug. 2019
Software Engineering Intern
- Developed MicroPulse survey app at Microsoft Azure Cosine Team.
- Implemented CRUD capability for user response data using Microsoft **SQL** and **RESTful API**.
- Designed and implemented interactive user interface using **XAML** and **C#**.
- Communicated with beta users weekly to collect feature requests and UX feedback.

SKILLS

Languages: Java, Python, C#, C/C++, HTML, CSS, JavaScript, SQL, OCaml, Coq
Development Tools: Git, Visual Studio Code, RStudio, Tableau, Power BI, React.

PROJECTS

Google CSSI 2023: Created a task manager web app that incentivizes users to stop procrastinating by storing metadata in JSON format and rendering objects using JavaScript.