Aaron Jiang
Systems Design Engineering

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Skills

Languages	Python, Golang, JavaScript, C++, C#, HTML/CSS, MATLAB, Java, SQL, PHP, YAML, Protobuf
Development	Docker, React, Vue, Node, Express, MongoDB, Kubernetes, PostgresQL, Firebase, GCP, Azure, Jupyter, Selenium
Product	Figma, Sketch, XD, Zeplin, AB testing, Usability testing, Prototyping, Photoshop, Illustrator, Premiere

Experience

Splunk — *San Jose, CA*
Software Engineering Intern — *Sep. 2022 - Present*
- Currently working on the ICX team to develop next-gen UI platform tools, CI/CD pipelines and cloud experiences.

Wish — *San Francisco, CA (Remote)*
Software Engineering Intern — *Jan. 2022 - Apr. 2022*
- Implemented a central SMS microservice using Golang, Python and K8s supporting over 5000 QPS and 46+ million users.
- Developed golang unit tests and mock interfaces leading to a 200% increase in microservice test coverage.
- Utilized gRPC transcoding and Amazon SQS to refactor webhooks, reducing response latency to under 10ms.

Copysmith AI — *Birmingham, AL*
Software Engineering Intern — *Jan. 2021 - Aug. 2021*
- Developed key features for dashboard, enterprise users, and Twine partnership, helping secure $10MM in seed funding.
- Researched and designed GPT-3 prompts using Jupyter, helping users generate text for 7000+ ads.
- Independently designed and developed a browser extension to optimize workflows for 1500+ copywriters.
- Utilized Docker, Koa, MongoDB and React to implement and deploy SEO integrations with Frase.

Boxlabs Inc — *Toronto, ON*
Software Developer — *Sep. 2020 - Dec. 2020*
- Utilized React, Express, PostgreSQL and Azure CDN to develop Covid-screening features and robust API endpoints.
- Revamped user flows and interface using Adobe XD, reducing RX processing times by 80% and improving user experience.

TD Bank — *Toronto, ON*
Payments Innovation Developer — *Jan. 2020 - Apr. 2020*
- Utilized Vue, MongoDB and GraphQL to create a platform for sharing ideas amongst senior executives.
- Created a web scraper using Azure Text Analytics and NickJS to identify meaningful business opportunities from LinkedIn.

Projects

Watchlist — *View Project*
Fullstack Development — *May. 2021 - Jun. 2021*
- A fully responsive watchlist app that helps track and notify users when their favorite movies and shows are about to air.
- Designed and developed using Firebase, OAuth, React, and Figma, with data provided by TMDb and TVMaze APIs.

Productivity Tracker — *View Project*
Chrome Extension - Design and Development — *Mar. 2020 - May. 2020*
- An intelligent browser extension that analyzes browsing habits and promotes user productivity.
- Created medium-fidelity prototypes in Figma, conducted user interviews and then implemented extension using JavaScript and Chrome APIs.

Education

University of Waterloo — *Waterloo, ON*
Systems Design Engineering (BASc) — *Sep 2019 - Apr 2024*
- Maintained excellent standing throughout all semesters (3.9 GPA) - Dean's Honour List.
- Relevant Courses: Human Factors in Design, Digital Systems, Data Structures and Algorithms.
- Active involvement in extracurriculars such as Engineers without Borders and UW CSA.