

# Aaron Jiang

## SYSTEMS DESIGN ENGINEERING

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## Skills

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

## Experience

### Wish

[San Francisco, CA \(Remote\)](#)

#### SOFTWARE ENGINEERING INTERN

Jan. 2022 - Apr. 2022

- Implemented a central SMS microservice using Go-lang, Python and K8s to support over 5000 transactions per second.
- Developed go unit tests and mock interfaces leading to a 200% increase in service test coverage.
- Utilized gRPC transcoding and dynamic protos to refactor microservices, reducing webhook latency by 40%.

### Copysmith AI

[Birmingham, AL](#)

#### SOFTWARE ENGINEERING INTERN

Jan. 2021 - Aug. 2021

- Developed key features for enterprise users, dashboard, and Twine partnership, helping secure \$10MM in seed funding.
- Researched and designed GPT-3 prompts using Jupyter, helping users generate 7000+ pieces of unique ad copy.
- 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 series 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.

### Vibeify

[View Project](#)

#### QHACKS 2020 - HACKATHON

Feb. 2020 - Feb. 2020

- Utilized ReactJS, Spotify API, and Tensorflow body recognition models to build an intelligent DJ that chooses songs to match your energy.

## 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.