Steven Zhao

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🎓 Education

University of Toronto   Sept 2017 – April 2022
Computer Engineering: Artificial Intelligence Minor & Business Minor   *Canadian Citizen*

🥧 Experience

Crabel Capital Management   June 2021 - April 2022
Full Stack Engineer Freelancer

· Analyzed csv and roi with millions of data points from simulated data and presented the data in a user-friendly dashboard for US tech-based capital management company
· Reduced DOM refresh frequency when interacting with chart by 90% using React methods and lazy loading
· Reduced load time for analyzing and displaying data by 96% from 20 secs to 0.8 secs by using efficient algorithms and caches

Dataraction   Aug 2020 – April 2021
Chief Technology Officer

· Hired, coached, and led 10 developers using Agile management to build a SaaS and stand-alone live streaming platform with React (later migrated to Next.JS) front end with JEST for testing
· Brought in over **1500** sign ups and **100** live viewers per event (still growing) and succeeded in helping the company get in revenue through a client contract worth **$5000/month**
· Led team to build a fully functional Postgres and MongoDB database on Loopback 4 (Node.js framework with GraphQL) and real-time comments, polls, and reactions with WebSocket
· Initialized and maintained backend on Kubernetes cluster containerized with Docker, and later migrated to OpenShift to better log user activity for analytics

Google

Software Engineering Intern (Java, JavaScript)   *May 2020 – Aug 2020*
· Developed a feature on Google Travel involving complex modeling in considering user behavior, impact on revenue, and creative logging to maximize feature
· Utilized complex web frameworks, RPCs (remote procedural call), and services using Java and JavaScript
· Completed the entire software engineering development process; wrote a comprehensive design doc, wrote unit tests, went through design reviews / discussions

Software Engineering Intern (Objective C, JavaScript)   *May 2019 – Aug 2019*
· Developed and rolled out a button for Gmail iOS which is visible in iOS App
· Implemented an entirely new interaction handler for iPad Gmail iOS using native Objective C with JavaScript with unit tests and integration tests and set the foundation for future development
· Wrote a comprehensive design doc and went through design reviews/discussions and QA review

✈ Projects

Personal / Self Development Blog   wearestilldreamers.com
· Launched a blog where I share thoughts on how I approach life and my experiences with entrepreneurship
· Developed an entire MERN framework including authentication with email or google, email verification, forget password, CRUD post, 4 user roles (reader, writer, user manager, admin), email subscription

</> Skills

●●●●● **Expert**   Java, JavaScript, HTML/CSS/PHP, React, Next, Node, Express, MongoDB, Git, Firebase

●●●●○ **Advanced**   Python, Django, Objective C, Swift, Postgres, MySQL, WebSocket, RPC, Flutter

●●●○○ **Intermediate**   C++, C, Docker, Kubernetes, OpenShift, SpringBoot, TensorFlow, PyTorch, MATLAB