Tony Zhao

📞 +1-(778)-955-6328
✉ siyuan.zhao@uwaterloo.ca

in /tonyzhao2001
○ /tawnyzhao
● tonyzhao.net

Education

University of Waterloo — Waterloo
Bachelor of Software Engineering, Honors — *Sept. 2019 – Present*
- Cumulative Average: 91%, 4x Dean's Honors List

Skills

Languages JavaScript/TypeScript, Python, C, C++, Java, Scala, SQL, PHP, Ruby

Technologies & Tools React, Redux, Node.js, Express, GraphQL, Laravel, Rails, PostgreSQL, MongoDB, Tensorflow, Kubernetes, AWS, Firebase, Azure, Heroku, Docker, Git, Bash

Experience

Applyboard — Waterloo
Software Engineer Intern — *Sept. 2021 – Present*
- Building AuthN/AuthZ systems and integrating monitoring tools using Ruby, Terraform, and Kubernetes

LCBO|next — Waterloo
Full Stack Engineer Intern — *Jan. 2021 – May 2021*
- Developed microservice backends using Node.js and TypeScript exposing REST APIs consumed by **6 clients**
- Added features to price tag generator app in React and Ionic Angular saving **$50,000 in costs/year**
- Reduced load times by **80%** on an application used by **100+ users** through optimizing SQL queries
- Created CI/CD pipelines to build Docker images and deploy previews on Azure AKS and App Services

Condos.ca — Toronto
Full Stack Developer Intern — *May. 2020 – Sept. 2020*
- Implemented end-to-end lead prediction model using Tensorflow Boosted Trees with AWS SageMaker, improving accuracy of realtor-to-client matching algorithm by **30%**
- Optimized load times of three websites by **15%** using React code splitting and server-side rendering
- Developed various data scraping features for geographic information with PHP Laravel/MySQL backend

Projects

UW Blueprint — Waterloo
Technical Lead — *Sept. 2021 – Present*
- Leading and mentoring a team of 8 developers, building a no-code educational content editor for HeadsUpGuys, a men's mental health non-profit organization serving **10,000+ users/month**

Software Developer — *Sept. 2020 – Sept. 2021*
- Built a platform for tracking fundraising campaigns for Raising the Roof using React with Redux
- Created GraphQL API using Express, Sequelize, and Apollo to track purchases on online storefronts

ohana — ○ /ohana
Collaborative code editor and whiteboard — *itsohana.com*
- Managed rooms using Node.js Express backend with MongoDB supporting **100+** concurrent users
- Implemented realtime editing and conflict resolution using Firebase RTDB with Operational Transform
- Synchronized whiteboard across multiple clients using Socket.io to display on React frontend