

# Alex Huang

## Full Stack Software Engineer

### Contact

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Victoria/Vancouver

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### Education

**University of Victoria**  
**Bachelor of Software Engineering**  
Graduated 2024

### Skills

#### Languages:

Typescript/Javascript, Python,  
GoLang, Kotlin, SwiftUI, Godot

#### Frameworks:

React, Next.JS, Tailwind, GraphQL,  
REST APIs, React Native, SvelteKit,  
NodeJS, SocketIO, Websockets,  
FastAPI, Jest, Pytest

#### Hosting Services:

AWS, EC2, RDS, GCP, Vercel,  
Cloudflare, Supabase

#### Databases:

PostgreSQL, MongoDB, Redis,  
SQLite, MariaDB

#### Tooling:

Docker, EC2, Git, Stripe, CDNs

#### Technical Experience:

System Architecture, Performance,  
Scalable Infrastructure, Technical  
Design, Server Side Rendering

### References

As requested.

### Professional Experience

#### Founding Full Stack Engineer - Lobby Technologies Inc.

December 2021 - May 2024

- Engineered a GDPR-compliant AI chat platform that enhanced user productivity tenfold by integrating data from web, PDFs, Google Docs, and GitHub, utilizing Typescript, SvelteKit, Python, and PostgreSQL.
- Developed a VSCode extension powered by AI that boosted developer productivity by 25% by offering code snippets via the VSCode API, crafted with React and Express.
- Created a cryptocurrency-reward survey platform with a complex and robust system architecture, developed with NextJS, MongoDB, and Express.
- Launched a Wikipedia-style platform with crypto gating that created community-driven content hubs, using Next.JS, TypeScript, GraphQL, Express, and PostgreSQL.
- Participated in thrice-weekly Agile sprints, contributing to a 75% improvement in project completion rates and enhanced team collaboration.

#### Full Stack iOS/Android App Developer (Co-op) - Ergonomyx

December 2020 - August 2021

- Spearheaded the development of a Kotlin Android application for a Bluetooth-controlled sit-stand desk, enhancing product usage by 200% through Native Android APIs, including BluetoothGatt service.
- Integrated Siri into an iOS application, improving accessibility and user engagement with SwiftUI, CoreData, and CoreBluetooth.

#### Software Testing Engineer (Co-op) - Roof

January 2020 - August 2020

- Developed a custom Selenium regression testing framework for Chrome extension products, reducing bug detection time by 50% and increasing test coverage by 70% using JavaScript, Node, and Mocha.
- Conducted comprehensive API and application testing for Django and JavaScript Chrome extension products, ensuring robust feature performance.

### Projects

#### Sport Prediction Algorithm

November 2023 - Present

- Developed a sports prediction algorithm achieving 70% accuracy on NBA games, using statistical analysis and NLP, thus enhancing user betting strategies.

#### Crypto Trading Bots

February 2021 - June 2023

- Designed a multi-layered trading bot, interfacing seamlessly with trading exchanges via WebSockets and REST APIs, coupled with a companion application for statistical analysis, hosted on AWS and RDS using Python, Next.JS, SocketIO, and Express.

#### Founding Software Lead - UVic Environmental Engineering Club

September 2021 - December 2022

- Led a team to design and develop an unmanned surface vehicle for microplastics filtration, delivering significant pollution reduction under budget and ahead of schedule, showcasing robust leadership and project management skills.