

Yi Feng Yang

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Professional Experience

- Faire**, *Backend Engineering Intern* [↗](#) 2021/05 – 2021/08
- Java, Kotlin, microservices
- Expedia Group**, *Software Engineering Intern* [↗](#) 2019/06 – 2019/08
- Designed and implemented a new travel destinations data processing architecture **5 weeks ahead of schedule**
 - Refactored and improved analytics systems across all point-of-sales
 - Developed new front-end features which increased earnings by **~\$0.6-1.2M**

Education

- University of Waterloo**, *Honours Software Engineering B.S.E.* 2020/09 – 2025/04
- President's Scholarship of Distinction (>95% entrance average)

Skills & Interests

Languages

JavaScript (ES6+) and TypeScript, Java, Rust, C, Python

Technologies & Practices

React, Webpack, Node.js, Next.js, Spring Boot, Maven, SQL (PostgreSQL), NoSQL (MongoDB, Fauna), Vercel, AWS; OOP, unit/integration testing, CI/CD, microservice & serverless architecture

Miscellaneous

music, audio, violin, volleyball, reading, educational videos

Projects

- yeelib_rs**, *Rust* [↗](#) 2021
- Rust library to interface with Yeelight IoT lights
- Stick Hero "6" Bot**, *Raspberry Pi, Hardware, Python* [↗](#) 2020
- Robot that plays the mobile game Stick hero
- GooseSplitter**, *Next.js, React, Vercel* [↗](#) 2020
- Tool to easily split and organize PDFs of scanned answers for assignments
- TaskHour**, *Next.js, React, Vercel, Fauna* [↗](#) 2020
- Productivity tool combining the power of Google Calendar with Trello's flexibility
- Beem P2P chat**, *Java, JavaFX, Spring, AWS EC2 and RDS* [↗](#) 2018 – 2019
- Proof of concept decentralized encrypted chat client

Other Experience

- Marianopolis Tech Committee**, *Mentor, developer* 2019/09 – 2020/05
- Developed a student information application in React Native
 - Organized 2 coding workshops and 1 hackathon + mentored students in projects
- Kurius**, *Vice President* 2019/08 – 2020/05
- Managed a student-led youth nonprofit that democratizes coding education
 - Conceived and implemented internal workflow inspired by Agile tailored for the team of 11

Awards

- Winner**, *BrébeufHx* 2019/01
- Created an aquaponics system dashboard that neatly organizes 5 data point categories