

Eric Liang

✉ err.liang@gmail.com | 🌐 [Website](#) | 🔄 [errleng](#) | [LinkedIn](#) | 📞 +1 416-629-2408

Skills

Programming Languages: JavaScript, Python, Java, C#, C++, HTML/CSS

Tools: Node, React, Angular, Express, Spring, Docker, PostgreSQL, MongoDB

Experience

SPS Commerce

Sep 2022 – Dec 2022

Associate Software Developer

- Developed SPS Order Performance applications, providing order fulfillment metrics and reports to thousands of major suppliers and retailers
- Built an API using Java, Spring, and Snowflake to search through millions of documents, powering other SPS teams and services with granular information
- Implemented service to easily delete customer data, reducing GDPR request processing time from hours to minutes
- Created feature to retry failed batch inserts to the database, saving hours of manual retries

Enzuzo

Jan 2022 – April 2022

Full Stack Developer

- Designed and implemented a microservice for syncing all data from PostgreSQL to data warehouse, powering analytics services and dashboards used by CEO and marketing team
- Created product requirement documents and decided product's future tech stack and architecture
- Integrated analytics services into Enzuzo app, built analytics API using Envoy, Swagger, and Golang
- Optimized React app build and deployment, reducing app size and load times by 30%

SS&C Technologies

May 2021 – Sep 2021

Full Stack Developer

- Developed new services and components for SS&C AWD, an enterprise application for business process management used by 1000+ companies, using Angular, NgRx, and Sass
 - Independently analyzed internals of libraries to create solutions that met client requirements
 - Wrote unit tests using Jasmine and Karma, increasing test coverage from 50% to 95%
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Education

University of Waterloo

Sep 2020 – expected Dec 2024

Candidate for Bachelor of Computer Science, Honours, Co-op

- CGPA: 89.3%, President's Scholarship of Distinction (95%+ admission average)
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Projects ([clickable links](#))

Subreddit Subscriptions | *TypeScript, Angular, Express, MongoDB*

May 2021 – Present

- Angular web application to display the most popular posts from a list of Reddit communities
- Developed backend using Express and leveraged the Reddit API to retrieve and process data
- Designed a parser to extract relevant data from Reddit API responses
- Implemented caching using MongoDB to greatly reduce API response delays

Chess Bot | *Python, JavaScript, OpenCV, Selenium*

Oct 2018 – Aug 2020

- Designed and developed a system to detect and analyze chess game positions on Chess.com
- Iterated through several major versions, each using different technologies such as browser extensions, OpenCV computer vision, and Selenium
- Improved analysis speed from 20 to 0.1 seconds per move by analyzing bottlenecks