

Eric Li

📞 647-712-3742

✉ eric.li@uwaterloo.ca

🌐 [ericli234](#)

🐧 [ThePenguinCo](#)

Technical Skills

- **Languages:** Java, Python, Go, C++, SQL, JavaScript, TypeScript, HTML, CSS
- **Platforms and Tools:** ReactJS, NodeJS, AWS, Kubernetes, Docker, Snowflake, MySQL, MongoDB, Bash, Git, Jenkins, Terraform, Linux, PostgreSQL, Flask

Experience

Software Engineering Intern

May 2020 – Nov 2020

Lacework Inc. | San Jose, CA

- Implemented relational database query optimizations on datasets, saving an estimated \$2M per year
- Designed queue abstractions for a distributed job scheduler in Go to enable horizontal scaling and report the internal state and job statistics of individual scheduler instances
- Created a concurrent queue loading microservice to pipeline data from AWS to Snowflake databases, increasing data throughput by more than 120%

Founder

Dec 2019 – Apr 2020

Hyperdoc Inc. | Sunnyvale, CA

- Founded a **Y Combinator** (W20 batch alumni) backed developer tool startup that helps software teams and open source project contributors create better documentation and onboarding materials

Software Engineering Intern

Sep 2019 – Dec 2019

Lacework Inc. | Mountain View, CA

- Created a UI tool in Java to compare cloud security datasets via data visualization models and graphs
- Engineered an extensible testing framework in Java to schedule and run tests for data pipeline microservices, utilizing Docker and Kubernetes, reducing time spent on pipeline testing by 50%
- Integrated token-based authentication for access to API services available to customers
- Designed features for a custom query language translator to dynamically generate SQL

Software Developer Intern

Jan 2019 – Apr 2019

Nuance Communications Inc. | Montreal, QC

- Implemented bug fixes and new features in a virtual assistant tool made with Java Spring
- Constructed Jenkins/GitLab pipelines to schedule builds and execute unit tests and source code scans, reducing bugs and issues by more than 80%

Projects

Project Lead | UW Blueprint

Dec 2020 - Present

- Lead a team of 5 developers, a project manager, and a designer to build a judging and adjudication platform for a high school dance competition hosted by Dancefest, a non-profit organization
- Mentor developers, design the application architecture and drive team processes to ensure team goals are aligned with those of our partner non-profit organization

Hear My Prof | McHacks 6

Feb 2019

- Created an English speech to text transcription app for Android in Kotlin, leveraging the Google Cloud Platform API; won first place out of 150+ teams for the best educational application

Education

University of Waterloo

2018 – 2023 (Expected)

Honors, Bachelor of Applied Science (Computer Engineering) Co-op

GPA: 3.9

Relevant Coursework: Data Structures and Algorithms, Numerical Methods, Linear Algebra, Advanced Probability, Advanced Statistics, Logic and Computation, Object Oriented Software Development