Eric Li

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Technical Skills

- **Languages:** Java, Python, Go, C++, SQL, JavaScript, TypeScript, HTML, CSS
- **Platforms and Tools:** ReactJS, NextJS, 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 distributed queue loading microservice in Java to pipeline data from AWS to Snowflake databases, increasing data throughput by more than 150%

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

- Engineered an extensible testing framework in Java to schedule and run tests for data pipeline microservices, utilizing Docker and Kubernetes; reduced time spent on pipeline testing by 50%
- Integrated token-based authentication to grant customer access to external facing API services
- 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 15+ bug fixes and new features in a virtual assistant tool made with Java Spring
- Constructed Jenkins and GitLab pipelines to schedule builds and execute unit tests and source code scans, reducing bugs and issues by more than 80%

Projects

Dancefest | UW Blueprint | Project Lead 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 a non-profit organization
- Mentored developers, defined the application architecture (NextJS, JavaScript, PostgreSQL) and best practices, developed features, and delegated tasks to team members

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 – 2024 (Expected)
Honors, Bachelor of Software Engineering Co-op GPA: 3.9

Awards: Dean's Honors List, Faculty of Engineering Entrance Scholarship

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