


# Stephen Hwang

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## Education

Bachelors of Computer Science, University of Waterloo

2017 - 2022

## Skills

- **Languages:** JavaScript, HTML, CSS/SCSS, SQL, Python, C, C++, C#, Java, Go, Scala, HCL
- **Technologies:** Node.js, Express, React, Redis, Kafka, Selenium, Mocha/Chai, gRPC, Hadoop, Spark
- **DevOps:** Git, Unix, Docker, Nomad, Github Actions, Jenkins, JIRA, GCP, Kubernetes, Terraform, Buildkite

## Experience

### Software Engineer @ Nuro

June - Nov 2022

- Configured Google Cloud products in GCP/Terraform to setup scalable, re-usable infrastructure to stream CloudSQL change data capture data into BigQuery, allowing for the tracking of request lifecycle metrics
- Utilized Buildkite to automate running manual scripts with varying schedules and configuration flags
- Implemented distributed gRPCs to handle complex business logic and communication between services, whilst ensuring data integrity and resiliency

### Software Developer Intern @ Thomson Reuters

Sept - Dec 2021

- Developed new API integration features using C# and MVC pattern to maintain code reuse and structure
- Integrated back-end logic with SQL efficiently using ORM models to couple database functionalities

### Fullstack Engineer Intern @ Manulife Financial

Jan - Apr 2021

- Created critical UI/UX features in Adobe Experience Manager to allow for greater flexibility in web content
- Updated JUnit and Selenium tests, increasing code coverage ~20%, and to ensure seamless CI/CD

### Jr. Software Developer Intern @ Tucows Inc

May - Aug 2020

- Redesigned microservices to use Redis, reducing system memory usage by 80% and allowing for horizontal scaling of data store
- Created microservice using Python to consume and combine hundreds of Kafka messages from several topics concurrently
- Deployed several Docker images using customized Nomad jobs to deploy services and cron jobs

### Fullstack Developer Intern @ Kenna Communications LP

Jan - Apr 2019, Sept - Dec 2019

- Implemented single sign on service using Passport, Node.js, and Express.js greatly reducing users' time spent logging in
- Established first unit tests company-wide using Mocha, Chai, Sinon, and Proxyquire setting a new precedent going forward
- Developed complex SQL queries for very large data sets to filter and retrieve data within a timely manner

## Interests & Hobbies

- Hiking, Pickleball, Badminton, Cooking, Board Games