

# Geoff Lorne

Victoria, BC / [geoff@geofflorne.ca](mailto:geoff@geofflorne.ca) / [geofflorne.ca](http://geofflorne.ca)

## EDUCATION

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**University of Victoria - Bachelor of Software Engineering.** 8/13 – 12/18

## WORK EXPERIENCE

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**Software Developer – Varsity Tutors.** Victoria, BC. 5/19 – 3/20

Worked as a full stack engineer on the marketing team. Worked on several projects ranging from front end A/B testing to system architecture. Owned and maintained multiple services including an online classroom that hosted exam prep classes for hundreds of concurrent students. (AWS, Ruby on Rails, PHP, node.js, SQL, JavaScript, SASS)

**Web Developer (Co-op) - Highway Three Solutions.** Victoria, BC. 4/18 – 8/18

Developed Angular modules for a single page web application. Implemented Redux actions, reducers, and stores to manage app state and allow better communication between angular components. Implemented features and fixed bugs raised by testers and client. (Angular5, Redux, TypeScript, ES6, HTML, SCSS)

**Software Designer (Co-op) - Nokia Inc. (formerly Alcatel-Lucent).** Kanata, ON. 1/17 – 4/17

Developed features for Service Supervision of Nokia's Network Services Platform, a system used by telecoms to monitor and manage their cellular and internet networks. Implemented REST endpoints and tests with SpringMVC, JUnit, and Mockito. Worked with testers to fix front-end and back-end bugs. (Java, JavaScript, HTML, CSS)

**Web Application Developer (Co-op) - University of Victoria McPherson Library.** Victoria, BC. 5/16 – 8/16

Worked on the Ian McTaggart Cowan Exhibit. [exhibits.library.uvic.ca/spotlight/ian-mctaggart-cowan](http://exhibits.library.uvic.ca/spotlight/ian-mctaggart-cowan) . Utilized Google Maps API to display specimens on an interactive map. Utilized Sketchfab API to allow library curators to upload and display 3D scans of specimens. (Ruby on Rails, jQuery, HTML, SCSS)

## PROJECTS

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**Moonshot Trading - Distributed Systems Course Project.** 1/18 – 4/18

A scalable, distributed stock trading system designed to handle over 1000 concurrent users and process over 10000 transactions per second. Designed and developed an audit microservice to log systems events and output logs to an XSD conformant XML file. Developed HTTP endpoints and message queues to facilitate communication between microservices. Optimized database to alleviate disk bottlenecks. (Golang, Postgres, Docker)

**Antidose - Capstone Project.** 5/17 – 8/17

An Android application to alert naloxone kit carriers to nearby opioid overdoses. [Antidose.ca](http://Antidose.ca) . Awarded "Best Software Project" and "Runner Up" 2017 Design Project Award IEEE Victoria. Designed database schema and implemented queries. Developed REST endpoints. (Golang, Postgres, PostGIS)

## SKILLS

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**Languages:** Ruby, PHP, node.js, JavaScript, HTML, CSS, Python, Typescript, SQL, Golang, Java.

**Tools and Frameworks:** AWS, Looker, Angular, Git, Atlassian Suite, IntelliJ, anime.js, Docker.

## References

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**Ian turner, Director of Engineering at Varsity Tutors** – (Contact information available upon request)