

Experience

Snap Inc. | Los Angeles, CA – Fall 2019

Software Engineering Intern working on the User Insights Research team.

Coursera | Software Engineer – Mountain View, CA – Fall 2018

Created a collaborative grading tool for Partner platform using Scala and Kafka, provisioning for high throughput and scalability using Zookeeper. Worked on tool for isolating Kafka services running in production for the purpose of debugging.

North | Software Engineer – Kitchener, Canada – Winter 2018

Built scalable microservices in Go for high-workload cloud operations for the Focals smart-glasses Sizing team. Managed the setup of Sizing's Kubernetes cluster and its AMQP connections.

ScribbleLive | Software Developer – Toronto, Canada – Summer 2017

Restructured Node.js microservices to optimize newsfeed performance. Introduced tag editing and searching capability for liveblog posts using ElasticSearch.

Genetec | Programming Intern – Montréal, Canada – Winter 2016

Scripted customizations into Dynamics CRM using C#, accelerating customer-facing processes in various departments.

Leadership

Neobis | Java/Kotlin Team Lead – January 2019 – present

Currently leading a Java/Kotlin bootcamp. Devised a study plan that incorporates the Spring Framework, Docker-based deployment, ORM and database design concepts. Students fulfill a capstone project which helps prepare them for real industry work or more advanced programs.

EngSoc | Arts and Tech Workshops Director – Sept 2017 – Aug 2018

Managed art and tech events for the Engineering Society. Compiled material for WebGL workshops and guided students through the basics of in-browser 3D graphics and VR concepts

Education

University of Waterloo, B.A.Sc. in Computer Engineering

Expected graduation date – June 2020

Skills

Languages

Scala, Java
GoLang
JavaScript ES6, ES7
C, C++

Frameworks

SBT, Spring, Play
Kafka, RabbitMQ
React.js, Node.js
WebGL

Tools

Kubernetes, Docker
Apache Spark
Zookeeper
PostgreSQL, MySQL

Projects

Story and Canvas

A collection of mini-projects that explore web graphics and browser performance. Visual storytelling and user-centric experience are particular points of interest.

Visuallyrics (MCHacks 2017)

A web app that leverages IBM's Watson and Lexalytics' Semantria machine learning APIs to analyze song lyrics for sentiment and output data visualization using WebGL.