

## SUMMARY AND TECHNICAL SKILLS

- A Bachelor's (BS) in Computer Science graduate working as a Software Development Engineer for Amazon with a passion for technology shown through research projects and hackathons.
- Experience working as a Mathematics & Statistics Tutor, Supplemental Learning (SL) Leader and Computer Mentor requiring excellent communication and interpersonal skills.

**LANGUAGES:** Java, Go, Python, C/C#, SQL, Swift, Bash, Haskell, Prolog.

**WEB TECHNOLOGIES:** HTML5/CSS3, React, Node, Typescript, JavaScript/JQuery, PHP, Django, Jest, Selenium.

**TOOLS:** Git, Docker, Visual Studio Code.

## WORK EXPERIENCE (TECHNICAL)

### **SOFTWARE DEVELOPMENT ENGINEER** (August 2020 – Present)

Amazon, Seattle, WA.

- Working on a team of 14 to develop and maintain Java-based microservices for Prime Video's costing and pricing management systems.
- Created an internal tool using React, Typescript, Node, AWS CloudFormation and Lambda used by team members to trace the status of a pricing offer within the service workflow to decrease debugging time for on-calls.

### **SOFTWARE ENGINEER / SCRUM MASTER** (June 2019 – August 2020)

Veritone, Costa Mesa, CA.

- Owning truly full-stack projects end-to-end including design, implementation, testing, deployment and maintenance from UI updates in ReactJS to API and service-level updates using GraphQL and NSQ messaging.

### **SOFTWARE DEVELOPER** (May 2018 – Sept 2018)

Greenspace Mental Health, Kelowna, BC.

- Working closely with the dev team to design and build high-quality, responsive software features using HTML5/Sass, JavaScript/JQuery, Bootstrap, Django, and Selenium.
- Participating in an Agile development environment which includes code reviews, weekly scrum meetings, and a highly collaborative environment requiring proficiency with git.

### **SYSTEM ADMINISTRATOR** (May 2016 – Dec 2016)

British Columbia Lottery Corporation, Kamloops, BC.

- Designed and developed a web-based app to increase efficiency of reserving server environments for testing.
- Completed numerous Red Hat Certified System Administrator (RHCSA) courses.

## TECHNICAL PROJECTS

## **RESEARCH PROJECTS**

### *SATELLITE CLUSTERING (2019)*

Working with BC Wildfire Services to use K-Means and Agglomerative clustering to visualize clusters of fuel type layers in satellite images which will lead to better allocation of resources during fire season.

### *DETECTING PHISHING URLS (2019)*

Comparing efficiencies of classification algorithms such as Random Forest, kNN, and Decision Tree to classify a given URL as phishing or non-phishing, achieved over 80% accuracy.

## **HACKATHONS**

### *STARTUP WEEKEND (2017)*

Worked on a team of six as team lead to create a prototype and business plan of an app that combines fashion, blogging and online shopping; placed second.

### *GLOBAL AI HACKATHON (2017)*

Worked on a team of eight to create a web-based app that pulls Instagram images and compares their hashtags to the emotions detected utilizing the Microsoft Emotion API.

## **PROFESSIONAL PROJECTS**

### *WHERE IS MY OFFER - AMAZON (2020)*

Created an internal tool used by developers to trace workflow statuses for a given pricing offer to decrease debugging time for on-calls. Used React, Node, Typescript, AWS Lambda and CloudFormation, and introduced > 90% test coverage with Jest.

### *ENGINE CERTIFICATION - VERITONE (2019)*

Designed, developed, tested and deployed a new UI and service to perform a series of checks before onboarding cognitive engines to the platform to ensure they conform to standards. Used SQL, Javascript, ReactJS, Go, NSQ, GraphQL and Docker.

## **EDUCATION**

### **BACHELOR OF SCIENCE IN COMPUTING SCIENCE (Sept 2013 – April 2019)**

Thompson Rivers University, Kamloops, BC

- Major in computing science with co-op.
- TRU Co-op Student of the Year 2018 award recipient.
- Upper-level GPA: 4.08/4.33, Dean's List recognition: Fall 2015, Winter 2018.

## **WORK EXPERIENCE (OTHER)**

### **MATHEMATICS & STATISTICS TUTOR (Sept 2017 – April 2019)**

Thompson Rivers University, Kamloops, BC

- Using strong problem-solving abilities to help students solve a wide range of mathematical problems in courses such as Calculus I/II, Linear Algebra, Statistics, and Discrete Mathematics.

### **SUPPLEMENTARY LEARNING (SL) LEADER (Jan 2018 – May 2018)**

Thompson Rivers University, Kamloops, BC

- Conducting two weekly SL group study sessions for an intro programming course in Java.

## **VOLUNTEER EXPERIENCE**

### **COMPUTER MENTOR**

Kamloops Immigrant Services  
Sept 2018 – May 2019

### **TUTOR**

TRU Support Lab  
Sept 2016 – May 2018

### **MENTOR**

Discover the World of I.T. (DWIT)  
Nov 2016