

# MARISSA PHUL

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## WORK EXPERIENCE

### **Twitch - Software Engineer Intern**

*May 2020 - Aug 2020*

- Architected and developed a platform to circumvent viewbot detection and fake viewership to explore future viewbot behaviour and allow Twitch to start testing detection techniques for the future
- Implemented IPv6 support within critical distributed systems and microservices

### **Bank of Canada - Software Engineer Intern**

*Jan 2019 - Aug 2019*

- Developed new capabilities for the trading software to allow the Bank to buy, sell and manage hundreds of millions of new Mortgage-Backed Security investments
- Proposed, designed and developed a data analysis dashboard to monitor support emails and issues
- Developed an automation framework with Python to streamline Beginning of Day processes and health checks

### **The Fulcrum - News Editor**

*Aug 2018 - Jan 2019*

- Mentored and managed a team of writers
- Responsible for pitching, writing, and editing five articles a week
- Investigated the corruption and fraud within the University of Ottawa's student union

## PROJECTS

### **Portfolio**

Personal website and portfolio built with Gatsby. Includes a blog with my writings on tech and society.

### **CLI Email Tool**

Send emails from the command line. Email and password encrypted and cached. Built with Golang.

### **Reval**

Real estate valuation web application created with React. Utilizes AWS Lambda with API Gateway and deployed with AWS Amplify.

## EDUCATION

### **Honours Bachelor of Science in Computer Science**

Option in Data Science and Minor in Global Studies  
**University of Ottawa**  
April 2021

## SKILLS

### **Languages:**

Golang, Python, JavaScript, Java

### **Technologies:**

ReactJS, Node.js, GatsbyJS, VueJS, SQL, HTML/CSS, Terraform, Git

### **Tools:**

AWS Lambda, ECS, EC2, CodeDeploy, CodePipeline, Amplify, SQL Server

## INVOLVEMENT

### **uOttawa Steam VP Finance**

- Managed sponsorship strategy, brought in \$5000+
- Created and managed budget for annual conference with over 300 attendees

### **Impact Jam 613 Winner**

- Competed in pitch competition focused on addressing local civic issues
- Won for most innovative idea out of 40 teams