

## WORK EXPERIENCE

### Software Engineering Intern Mastercard Inc.

01/2019 – Present

New York City, United States

#### Responsibilities

- Utilized Angular to build a DCF emulator, and assisted in building SRCi technology
- Assisted in developing the end-to-end testing framework for all Simplify Commerce products using Java
- Executive on Women's Leadership Network: implemented major changes in hiring practices to promote diversity

### Software Developer Intern Mastercard Inc.

05/2018 – 08/2018

St Louis, United States

#### Responsibilities

- Utilized Perl and MySQL to develop an ATM simulator and integrate new database into simulator
- Assisted in developing the microservices architecture and API framework for Mastercard Processing services
- Created Jenkins pipeline and Org so that employees could deploy their cloud native applications to PCF

### Application Developer Intern XE.com

09/2017 – 12/2017

Toronto, Canada

#### Responsibilities

- Used AWS, PHP, and JavaScript to assist in the development and maintenance of XE.com
- Used AWS and PHP to assist in the development of a currency exchange API
- Collaborated with web team to implement redesign of website

### CEO and Co-Founder RoKri Computers (rokri.ca)

06/2015 – 06/2017

Richmond Hill, Canada

#### Responsibilities

- Applied for and managed grant from the government
- Designed and built custom computers according to customer requirements

## EDUCATION

### 3A Honors Computer Science (co-op) University of Waterloo

2016 – 2021

## LANGUAGES & FRAMEWORKS

C

C++

Java

Scala

Perl

PHP

Linux

Scheme

Angular

Python

## PROJECTS

### Assembler and Compiler (2018)

- Utilized Scala to build a compiler and assembler for an imperative programming language

### Android Photo Sorting App (2018)

- Utilized Android studio and Java to create a photo sorting app which loads images from a remote server and allows the user to sort and label each image

### Festival of Nations Website & WebApp (2018): www.festivalofnationsstl.org

- Developed the website/webapp for the Festival of Nations, a multicultural celebration that attracts over 150,000 attendees each year
- Utilized PHP, CSS, HTML, and various plugins to ensure the website was optimized for desktop and mobile use

### Airplane in VR (2018)

- Utilized C# and Unity to develop a virtual reality app that simulates flying over a custom terrain

### CC3K (2017)

- Used Object Orientated Programming (C++) to create a roguelike game spanning 5 distinct levels with multiple items

### that-one-big-story - HackMIT (2017)

- Created a web-based application at HackMIT which acts as a crowd sourced choose-your-own-adventure story
- Developed front-end using AngularJS, and backend with Firebase

## ORGANIZATIONS

### Women in Computer Science - System Admin (2018)

Manage the Women in Computer Science (WiCS) server and website.  
Organize events to encourage and promote women in computer science

### AR/VR Workshops (2018)

Developed and presented Intro to VR and AR workshops which led attendees through Unity tutorials using AR models and Google Cardboard

### STEM Fellowship - Graphic Design, Treasurer (2017 – Present)

Designed the chapter logo, posters, and ads for various events as the graphic designer. Applied for and oversaw funding for the organization

### Future Female Techmakers Conference - Organizer (2017)

Developed and presented workshop for high school students regarding Boolean Logic at the Future Female Techmakers Conference