

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

- Used Perl and MySQL to build an ATM simulator and integrated new database into the simulator
- Assisted in developing the microservices architecture and API framework for Mastercard Processing services
- Created a 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 PHP, AWS, and JavaScript to assist in the development and maintenance of XE.com
- Assisted in the development of a currency exchange API using PHP and AWS
- 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

3B Honors CS (HCI Option, Econ Minor) University of Waterloo

2016 – 2021

LANGUAGES & TECHNOLOGIES

C++

Java

Angular

PHP

C

Scala

Python

Perl

Linux

React

Scheme

AWS

PROJECTS

Android Photo Sorting App (2018)

- Implemented a photo sorting app with Android Studio and Java which loads images from a remote server and allows the user to sort and label each image

Assembler and Compiler (2018)

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

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 (2018)

- Used Object Oriented 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, Finance Director (2018 – Present)

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

AR/VR Workshops (2017 – 2019)

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

Women's Leadership Network (2018 – 2019)

Worked with Mastercard's Technology and HR division to improve hiring practices in order to attract more females to technical positions.
Collaborated with HeforShe to bring awareness to the New York Office

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