

## EXPERIENCE

### Fullstack Dev - [Jewlr](#)

MAY 2021 - AUGUST 2021, Toronto, ON

- Designed data models to track the casting weights of silver and gold in inventory
- Implemented the checkout flow for new shipping methods
- Created new checkout cart API for selecting gift wrapping in React and wrote tests in RSpec and Swagger
- Refactored the return merchandise authorization in ERB, reducing the length of code by 70%
- Upgraded and shipped a major version update to rails, resolving all issues with codebase and dependent gems

### Fullstack Dev - [Boost Collective](#)

SEPTEMBER 2018 - AUGUST 2019, Waterloo, ON

- Created a selenium social media commenting bot to advertise and reach thousands of artists/customers
- Used imaplib and Sheets API in python to web scrape emails and monitor 500-1000 orders every month
- Built a functioning multi-vendor marketplace demo to sell recorded beats

### Math Instructor - Grand River Chinese School

DECEMBER 2017 - PRESENT, Waterloo, ON

- Crafted and taught math curriculum personally designed to spark learning intuition and curiosity
- Designed lesson plans in numerous areas of mathematics
- Created and proctored the Nine Chapters Math Contest
- Adapted to the pandemic by hosting Zoom lectures

## PROJECT EXPERIENCE

### Bhoppers

MARCH 2017 - node.js / express / websockets

- Created an [interactive platformer game](#) and chat that can host up to 40 players in co-op or deathmatch
- Designed an open-world with 50+ platforming levels, scaling level design with a fully featured level editor

### Asu Pathfinding Sandbox

DECEMBER 2020 - p5.js

- Built a [visual sandbox](#) that explores multiple pathfinding and maze-generation algorithms
- Emphasis on high-quality animations and visual design

## SKILLS

### Languages:

Python, Javascript, Ruby, C, C++  
CSS, HTML, Java, SQL, Git, Bash

### Frameworks:

React, Rails, PostgreSQL,  
Angular, Bootstrap, Express

## EDUCATION

### University of Waterloo Computer Science, Honors Co-op

SEPT 2020 - PRESENT

### Quantum Cryptography School for Young Students

AUGUST 2018, Waterloo, ON

### SHAD University of BC

JULY 2019, Vancouver, BC

### Sir John A. MacDonald Secondary School

SEPT 2015 - JUNE 2020

- CS Club Exec
- [JAMHacks 2020](#) Organizer and Web Developer

## AWARDS

### StarterHacks

[Best Development](#) - JAN 2019

### JAMHacks

[First Place](#) - APR 2017

### Github Game Off: Scorpion Ball

[4th Most Innovative](#) - DEC 2017

### CEMC Math Contests

School Champion in:  
CCC, Gauss, Pascal, and Cayley