

## PROJECT EXPERIENCE

### Bhoppers

MARCH 2017 - `node.js` / `express` / `websockets`

- Created an [interactive platformer game](#) and chat that can hold up to 40 players
- Has different game modes including co-op and deathmatch
- Designed an open-world with 50+ platforming levels

### Candid App

SEPT 2019 - `expo` / `react native` / `azure`

- Built an [AI camera app](#) to algorithmically capture the most candid moments in a social gathering
- Created the app interface using Expo for IOS
- Pitched at Hack the North 2019

### Asu Pathfinding Sandbox

DEC 2020 - `p5.js`

- Built a [visual sandbox](#) that explores multiple pathfinding and maze-generating algorithms
- Fully customizable with a colourful UI

### Hacking Quantum Cryptography with PNS

APRIL 2019 - `bb84` / `decoy-state`

- Won Gold at the [Waterloo Wellington Science and Engineering Fair](#)
- Researched in QKD laboratories under guidance of IQC

## EXPERIENCE

### Math Instructor - Grand River Chinese School

DEC 2017 - PRESENT, Waterloo, ON, Canada

- Designed and taught math curriculum to spark learning intuition and curiosity
- Finds lesson plans and topics through self-learning and self-research though numerous areas of mathematics
- Adapted to the pandemic by hosting Zoom lectures

### Quantum Cryptography School for Young Students

AUGUST 2018, University of Waterloo, ON, Canada

### SHAD - University of British Columbia

JULY 2019, Vancouver, BC, Canada

## ABOUT ME

I am a UW student with a wealth of project experiences and a strong academic curiosities. I am constantly familiarizing myself with the latest technologies and frameworks.

## SKILLS

### Languages:

Python, Javascript (ES6), CSS, HTML, Java, SQL, Git

### Frameworks:

React, Bootstrap, Express, PostgreSQL

## EDUCATION

### University of Waterloo Computer Science

SEPT 2020 - PRESENT

### Sir John A. MacDonald Secondary School

SEPT 2015 - JUNE 2020

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

## AWARDS

### Best Development Prize

StarterHacks - JAN 2019

### First Place Prize

JAMHacks - APRIL 2017

### #4 Most Innovative

[GitHub Game Off](#) - DEC 2017

### School Champion

CEMC - Gauss, Pascal, Cayley