



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 to
- Finds lesson plans and topics through self-learning and self-research through 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 uWaterloo 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 and JAMHacks 2020 Exec

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