Andrew Wang

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PROJECT EXPERIENCE

Bhoppers

MARCH 2017 – node.js / express / websockets

- Created an interactive platformer game and chat that can hold up to 40 players in co-op or deathmatch.
- Designed an open-world with 50+ platforming levels

Candid App

SEPT 2019 – expo / react native / azure

- Created the app interface for an AI camera app to algorithmically capture the most candid moments
- 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 Fair
- Researched in QKD laboratories under guidance of IQC

EXPERIENCE

Math Instructor – Grand River Chinese School

DEC 2017 – PRESENT, Waterloo, ON

- 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
- Designed and Proctored the Nine Chapters Math Contest
- Adapted to the pandemic by hosting Zoom lectures

Fullstack Dev – Boost Collective

September 2018 – August 2019, Waterloo, ON

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

SKILLS

Languages:

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

Frameworks:

React, Bootstrap, Express, PostgreSQL

EDUCATION

University of Waterloo Computer Science

SEPT 2020 – PRESENT

Quantum Cryptography School for Young Students

AUGUST 2018, Waterloo, ON

SHAD UBC

JULY 2019, Vancouver, BC

Sir John A. MacDonald Secondary School

SEPT 2015 – JUNE 2020

- CS Club Exec
- JAMHacks 2020 Organizer and Web Developer

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