

# Andrew Wang

asdera.github.io/new | poiuytandrew@gmail.com | 678 Wild Ginger Ave, Waterloo ON, N2V 2T2 | +1 (226) 989-0197

## Experiences

---

**Grand River Chinese School - Math Instructor** / December 2017 - PRESENT / Resurrection CSS

> Teaches mathematics to a full class of grade 5-6s. Based on a self-designed curriculum to spark learning intuition and curiosity. Finds lesson plans and topics through self-learning and self-research through numerous areas of mathematics.

**QCSYS - Quantum Cryptography School Young Students** / August 2018 / University of Waterloo

> An international summer program to learn quantum cryptography. Explored hands-on laboratories, met world-renowned physicians and studied the cutting-edge field of quantum mechanics.

**Hack the North - Canada's Biggest Hackathon** / September 2017 and 2018 / University of Waterloo

> Attended this amazing event for two consecutive years! Shipped an application that allows visualization of transactions and sales density on a map. Built with TD Da Vinci API and TD bank data.

**SHAD Canada** / July 2019 / University of British Columbia

## Awards

---

**StarterHacks - Overall Best Development Prize** / January 2019 / University of Waterloo

> AssignMe provides school directives and teachers with a way to communicate, avoiding ridiculous workloads in student schedules.

**JAMHacks - First Place Prize** / April 2017 / Sir John A. Macdonald High School

> Built a web platform for WRDSB students (Classroom connect). Monitors assignments, grades and can pair up students for groups.

**Waterloo Wellington Science & Engineering Fair - Gold Medal** / April 2019

> Exploring Quantum Cryptography. Hacking Quantum Key Distribution with the PNS attack.

## Education

---

**Honours Computer Science, Co-op** / From 2020 to 2025 / University of Waterloo

> Studying at the University of Waterloo for a Bachelor's degree in the field of Computer Science.

**Sir John A. Macdonald Secondary School** / From 2016 to 2020

> Participated in DECA, Junior Football, Junior Rugby and CEMC Contests (Gauss, Galois, Cayley and CCC - School Champion). CS Club executive and JAMHACKS organizer.

**Laurelwood Public School** / From 2014 to 2016

> Graduated with the sole Laurelwood Galilean Mathematics Award of 2016.

## Projects

---

**Bhoppers** - An online multiplayer platformer with over 30,000 hits / NodeJS / <http://bhoppers.com/>

**Scorpion** - Retro arcade shooter / Ranked #28 in GitHub's Game Off / <https://asdera.github.io/Scorpion/>

**AsuPathFinder** - Mazes and pathfinding sandbox / P5JS / <https://asdera.github.io/AsuPathFinder/>

**Personal Website** - Interactive portfolio / ReactJS / <https://asdera.github.io/new/>

**Jamhacks Website** - Waterloo's biggest high school hackathon / HTML / <https://jamhacks.ca/2020/>