

# HENRY TU

Website [henrytu.me](http://henrytu.me)  
Email [hello@henrytu.me](mailto:hello@henrytu.me)  
Phone 519 988 9587  
GitHub [henrytwo](https://github.com/henrytwo)

## // EXTRA CURRICULAR

### Platform Head | MasseyHacks V

June 2018 - Present

- > Leading a team of 3 developers to create main website and registration system

### Software Developer | FIRST Robotics Competition

Sep 2018 - Present

- > Developed a low latency vision system and control systems for a robot using C++ and OpenCV

### Software Developer | MasseyHacks IV

Dec 2017 - June 2018

- > Designed and developed a website from scratch ([mh4.masseyhacks.ca](http://mh4.masseyhacks.ca))
- > Managed and reviewed over 300 applications for Canada's largest MLH High School Hackathon

### Co-Founder and Mentor | CodeReach

Feb 2017 - June 2018

- > Co-founded a club to teach elementary school students the fundamentals of computer science
- > Mentored 40+ students with Python game development

## // WORK EXPERIENCE

### Service Technician (Co-op) | Advance Business Systems

July 2018 - Aug 2018

- > Inspected, setup, and troubleshoot over 100 enterprise grade multifunction printers

## // PROJECTS

### GOOSE | MasseyHacks

Jan 2019

- > Vue.js and Node.js based event registration system with streamlined application review
- > Processed over 250 applicants

### BlockChainChain | Border City Hacks II

Dec 2018

- > IoT smart lock to enable the sharing of physical objects using SSH and Keybase
- > Awarded **Second Place**

### Cube Factor Authentication | GrizzHacks 3, Oakland University

Sep 2018

- > Rubik's Cube based encryption and authentication system using OpenCV and Crypto in Python
- > Awarded **First Place**, **Most Technically Complex** and **Best Hardware Hack**

### SeizeControl | Hack the North, University of Waterloo

Sep 2018

- > Google Chrome extension to analyse and filter YouTube videos with seizure inducing segments
- > Used Firebase, OpenCV, Chrome Extension Tools and Google Compute Engine

## // TECHNICAL SKILLS

**Frontend/Client** | HTML5, CSS, Vue.js, jQuery, Bootstrap, Pygame, Java Swing

**Backend** | Node.js, Express.js, MongoDB, Socket IO

**Languages** | Python, Java, JavaScript, C++

**Technologies** | Linux (Debian and Fedora based), Mailgun, Cloudflare, Firebase, OpenCV

**Software + Tools** | IntelliJ Idea, PhpStorm, PyCharm, Photoshop, GitHub, VSCode

## // ACADEMIC AWARDS

### Cayley Math Contest, Honour Roll | University of Waterloo

Apr 2017

Scored in top 25% in Canada

### Galois Math Contest, Honour Roll | University of Waterloo

Feb 2017

Placed in Group IV (Ranked of 200 out of 7023 participants)

## // EDUCATION

### Vincent Massey Secondary School

(Expected) 2015 - 2019

Honour Roll, CEMC Math + CS Competitions, Computer Club, FRC 4903, Science Olympiad, CCP/ANS, Debate