

experience

OtoSim

Summer of 2018

Junior Full Stack Developer

- Developed web app to train medical students by simulating the examination of the ear and eye using **JavaScript**, **Node.js**, **Express**, **jQuery** and **MySQL**
- Wrote scripts with the Node.js fs module to automate data insertion into the MySQL database
- Tested and bugfixed old code with the **WebStorm Debugger**
- Presented my work at the IBBME Undergraduate Student Research Program symposium

projects

Web Design:

andrewhuang771.github.io/NewWebsite

Dec 2018

- Created a personal website using HTML, CSS, JavaScript, and jQuery, with animations using CSS3 and p5.js
- Designed many small, but fun web apps using JavaScript

Online Forums - UnivInfo

Summer of 2018

- Developed both the front end and back end of an online forums with JavaScript, jQuery, Node.js, Express, and MySQL in **MVC**
- Stores user information and posts in MySQL database. Supports password hashing and email authentication

Competitive Programming - Dmoj

Summer of 2018

- Solved a variety of programming problems using various algorithms and data structures in **Python**, **C** and **C++**
- Topics include Binary Indexed Trees, Dynamic Programming and Graph Theory

OrchestraOnline.org

Feb 2018

- Imitated various instruments with the keyboard and mouse as inputs using JavaScript
- Used **socket.io** and **Node.js** to allow users to hear each other's instruments in real time over the internet

Game Development - Unity

Dec 2018

- Created simple 2D and 3D games in Unity
- Coded player movement using **C#** scripts

skills

Languages: HTML/CSS/JavaScript, Python, C, C++, C#, Verilog
Tools: MySQL, Node.js, Express, Git, p5.js, jQuery, React, Unity

education

University of Toronto

Bachelor: Computer Engineering

Class of 2021 : 2017-Present

GPA: 3.9/4.0

Percent Average: 92%

awards

2018 – Dean's List

2018 – John M. Empey
Scholarship

2017 – U of T Scholar

2017 – DELF B2 French

interests

Arts – Piano, Portrait Drawing

Athletics – Badminton, Ping-Pong

Writing – I'm trying... Getting better.

See the blog on my website

All listed projects are either on my Github or on my personal website.