Jeremy Ong

tto@andrew.cmu.edu

EDUCATION

Carnegie Mellon University Pittsburgh, PA — May 2020
Bachelor of Science in Computer Science, GPA: 3.80/4.0
Olympia High School Olympia, WA — June 2016
Diploma with Honors, GPA (unweighted): 3.99/4.0

RELEVANT COURSEWORK

15-213	Introduction to Computer Systems	15-210	Parallel/Sequential Data Structures and Algorithms
10-405	Machine Learning with Large Datasets	15-251	Great Theoretical Ideas in Computer Science
10-601	Introduction to Machine Learning	15-312	Foundations of Programming Languages

SKILLS

Python, C++, Tensorflow, Flask, Node.js, React, Redux, Qt

EXPERIENCE AND ACCOMPLISHMENTS

Teaching Assistant for 10-601 Introduction to Machine Learning (Master's) — Aug.-Dec. 2018
- I will teach recitations and write course assignments and tests. ⇑

Aurora Innovation - Software Engineering Intern — Jun.-Aug. 2018
- Built the core communication system between autonomous vehicle operator software and the company fleet monitoring dashboard using Qt, nginx, Flask, React, and Redux. ⇑ ⇑
- Set up automatic hyperparameter tuning for the training of perception models. ⇑
- Wrote a program to visualize the geographical location of training data. ⇑

Facebook Global Hackathon - Facebook Discourse — Nov. 2017
- Created a debate platform that encourages productive discourse. ⇑
- Presented to the VPs of Technology of Oculus VR, Instagram, and WhatsApp. ⇑
- First place out of 20 finalist teams from 11 different countries. ⇑

Carnegie Mellon Center for Machine Learning and Health - Research Assistant — Jun.-Aug. 2017
- Worked a visual machine learning platform for genome-wide association studies. ⇑
- Developed systems to efficiently transfer data between the backend and user interface using MongoDB, Node.js, Node.js C++ Addons, React, and Redux. See genamap.org ⇑ ⇑

TartanHacks - ResistAR — Feb. 2017
- Created an educational augmented reality circuit solver app using Unity. ⇑
- I designed algorithms which processed 3D coordinates of physical components to construct an electron flow visualizer overlay and solve for current, voltage, and power. ⇑ ⇑
- Won the Carnegie Mellon Grand Prize. See devpost.com/software/resistar ⇑

Teaching Assistant for 15-110 Principles of Computing — Jan-Dec. 2017
- Led recitations and discussed how to improve the course. ⇑

HackCMU - BOBS Ramen — Sep. 2016
- Built an internet of things ramen preparer on a team of 4 freshmen. ⇑
- I programmed the microcontroller to direct servomotors and take network requests. ⇑
- Won the Microsoft Mentor's Choice Award. See devpost.com/software/bob-s-ramen ⇑

SAT Score 2400/2400 — Jun. 2016

Olympia High School Programming Contest, 1st Place — Mar. 2014

See more at jeremyong.me