

Jeremy Ong

Cell: (360) 890-7776
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

10-405 Machine Learning with Large Datasets	15-251 Great Theoretical Ideas in Computer Science
10-601 Introduction to Machine Learning	15-418 Parallel Computer Architecture and Programming
15-312 Foundations of Programming Languages	15-451 Algorithm Design and Analysis

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
<ul style="list-style-type: none">I will teach recitations and write course assignments and tests.	↑
Aurora Innovation - Software Engineering Intern	Jun.-Aug. 2018
<ul style="list-style-type: none">Built the core communication system between autonomous vehicle operator software and the company fleet monitoring dashboard using Qt, nginx, Flask, React, and Redux.	↑
<ul style="list-style-type: none">Set up automatic hyperparameter tuning for the training of perception models.	↑
<ul style="list-style-type: none">Wrote a program to visualize the global poses of training data.	↑
Facebook Global Hackathon - Facebook Discourse	Nov. 2017
<ul style="list-style-type: none">Created a debate platform that encourages productive discourse.	↑
<ul style="list-style-type: none">Presented to the VPs of Technology of Oculus VR, Instagram, and WhatsApp.	↑
<ul style="list-style-type: none">First place out of 20 finalist teams from 11 different countries.	↑
Carnegie Mellon Center for Machine Learning and Health - Research Assistant	Jun.-Aug. 2017
<ul style="list-style-type: none">Worked on a visual machine learning platform for genome-wide association studies.	↑
<ul style="list-style-type: none">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
<ul style="list-style-type: none">Created an educational augmented reality circuit solver app using Unity.	↑
<ul style="list-style-type: none">I designed algorithms which processed 3D coordinates of physical components to solve for current, voltage, and power and create an electron flow visualization overlay.	↑
<ul style="list-style-type: none">Won the Carnegie Mellon Grand Prize. See devpost.com/software/resistar	↑
Teaching Assistant for 15-110 Principles of Computing	Jan-Dec. 2017
<ul style="list-style-type: none">Led recitations and discussed how to improve the course.	↑
HackCMU - BOBS Ramen	Sep. 2016
<ul style="list-style-type: none">Built an internet of things ramen preparer on a team of 4 freshmen.	↑
<ul style="list-style-type: none">I programmed the microcontroller to direct servomotors and take network requests.	↑
<ul style="list-style-type: none">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