

Jeremy Ong

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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 16-362 Mobile Robot Programming Lab
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
• 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 global poses 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 on 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 solve for current, voltage, and power and create an electron flow visualization overlay. ↑
• 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