Solomon Greenberg

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About

High schooler with interests centered around Computer Science. Proficient in machine learning techniques, computer vision, and software-based motion control. Leadership and project management experience, both in and outside software development.

Experience

Cloud Infrastructure Intern, Intel Co

June–August 2015

I interned in the Open Source Software division at Intel. During the first half of this internship, I worked on the authentication and security module, Keystone, for OpenStack, an open-source, scalable infrastructure-as-a-service platform for cloud computing. Over the second half, I worked with other interns on Snap, Intel's open-source server telemetry platform. We created a python-based API to quickly and easily create services and plugins in less than a tenth of the code otherwise required.

FRC Team 2898 Programming Lead

September 2016–Present

I'm currently the programming lead and part of the robot drive team for FIRST Robotics Competition Team 2898: The Flying Hedeghogs. As programming lead, I spearhead development during build and competition season, as well as train and mentor new and remaining members. My primary focus is to integrate new, revolutionary technologies into our robot's code base, such as robot tracking and avoidance with Deep Neural Networks, and on-the-fly odometry with SLAM LIDAR. I do extensive work with corporate and local sponsors. I have headed multiple fundraising efforts, each earning in excess of $1000, and have also raised more than $3500 in corporate sponsorships.

Education

Beaverton High School

Class of 2018

4.12 GPA

AP Physics II
AP French
AP Biology
AP Economics
AP Calculus BC
AP English Language
AP US History

Portland Community College

Fall 2015–Present

3.8 GPA

Calculus I, II, III
Vector Calculus
Computer Science

Proficiencies

- Python 3
- Java
- Autodesk Inventor
- Autodesk HSM Pro
- Linux System Administration
- Tensorflow
- Keras (Tensorflow backend)
- OpenCV
- Convolutional Deep Learning
- Golang
- Git