Ajay Benno

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EDUCATION

CARNEGIE MELLON UNIVERSITY

B.S in Electrical and Computer Engineering

Expected May 2019 | Pittsburgh, PA
Dean's List Fall 15'
Cum. GPA: 3.49 / 4.0

METHACTON HIGH SCHOOL

Grad. May 2015 | Collegeville, PA

LINKS

Github:// **AjayBenno**
LinkedIn:// **AjayBenno**

COURSEWORK

UNDERGRADUATE

Intro to Electrical and Computer Engineering
Principles of Imperative Programming
Discrete Mathematics
Intro to Computer Systems
Functional Programming
Structure and Design of Digital Systems(Current)

SKILLS

PROGRAMMING

Over 1000 lines:
Java • Python • C
Familiar:
Android • Arduino • ROS
HTML • CSS • JS

EXPERIENCE

DECISIVE ANALYTICS CORPORATION | Machine Learning/Software Engineering Intern

May 2016 – Aug 2016 | Arlington, VA

- Used support vector machines to model the virality of YouTube videos to predict if a video would go viral or not. Used features such as sentiment of the video's comments.
- Implemented Latent Dirichlet allocation on the corpus of all user interactions with YouTube to build a profile of the user.
- Built out a rest service to connect the prediction algorithms to a user interface.

SOFTWARE ENGINEERING INSTITUTE | Software Engineering Intern

Jan 2016 – Present | Pittsburgh, PA

- Creating visual representations of what a robot is doing with light arrays.
- Designed a platform for children to learn to program by developing an interactive coding environment and a connected robot. Over 45 children used this platform and successfully learned basic coding principles.
- Used a corrective gradient refinement algorithm to localize a robot in a physical space. Worked on an application of CGR localization which could autonomously move the robot around in the space by clicking on a map.

CAPITAL ONE SOFTWARE ENGINEERING SUMMIT | Software Engineer

May 2016 – May 2016 | Tysons Corner, VA

- One of 30+ students from 300+ applicants to be selected to attend a one week long Software Engineering Summit in Capital One's corporate headquarters.

VOLUNTEER WORK

KITS FOR KIDS | Co-Founder

Sep 2013- May 2015

- Co-Founded a charity during high school.
- Fund raised over $1500 to donate to students in impoverished schools in India.
- Bought backpacks, pencils, notebooks and other supplies to give to these students.

AWARDS

| 2015 | Placed first in TEAMS, a national engineering competition. |
| 2015 | National AP Scholar |

ORGANIZATIONS

2016	Sigma Nu Delta Sigma (Recorder, Buggy Chairman)
2015	Sigma Nu Delta Sigma (Brother Development Chairman, and IFC Representative.)
2015	Electrical and Computer Engineering Outreach