

Daniel Melo Cruz

10 Vairo Blvd Apt 21-B, State College, PA 16803 | dmc6264@psu.edu | (814)384-5758 | dan30github.github.io

EDUCATION

The Pennsylvania State University, University Park, PA

Bachelor of Science, Computer Engineering

Cumulative GPA: 3.93

Expected graduation date: **May 2021**

EXTRACURRICULAR ACTIVITIES

Software Internship Intern

TV Cabo Branco, Joao Pessoa, Brazil (Summer 2018)

- TV Cabo Branco is an affiliate of the Globo broadcasting conglomerate, the 2nd largest commercial TV network in the world.
- Adapted a speaker recognition algorithm that uses machine learning to work in real-time with Python.
- Implemented an algorithm to train the voices that will be recognized.

Fire-Fighting Robot Contest

The Pennsylvania State University, University Park, PA (Spring 2018)

- Developed a fully autonomous robot that simulates a real-world fire protection situation in a house for a nation wise competition.
- Designed hardware and software that allows the robot to find a lit candle and extinguish it in the shortest time possible, using Arduino.

Secretary of Penn State Robotics Club

The Pennsylvania State University, University Park, PA (Fall 2018)

- Assist club's members with any questions about the material used in the meetings, like Arduinos, breadboards and components used in the robots.
- Manage the club email list with all the announcements and reminders for the meetings.
- Keep track of the member's attendance in the meetings, for organization of the club.

LANGUAGE & COMPUTER PROFICIENCY

Software Proficiency: Python, C, Lua

Languages: Spanish, Portuguese (native language)

AWARDS

- The President's Freshman Award (The Pennsylvania State University, 2018)