

Diego San Miguel

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EDUCATION

Carnegie Mellon University, Pittsburgh, PA
Bachelor of Science in Electrical and Computer Engineering
Intended Minor in Computer Science

EXPECTED: MAY 2022

Cumulative GPA: 4.00 Dean's List with High Honors

Relevant Coursework: Principles of Imperative Computation (C) • Fundamentals of Programming and CS (Python) • Introduction to Electrical and Computer Engineering • Engineering Statistics and Quality Control

SKILLS

Languages: Python • C • HTML

Software: Autodesk Inventor • Solidworks • Microsoft Office

Spoken Languages: English (Native Speaker) • Spanish (Native Speaker)

EXPERIENCE & PROJECTS

NextUp • Back-end Developer

PITTSBURGH, PENNSYLVANIA • FALL 2018

- Developed voting and queuing website that used Spotify API in Python with a Flask backend and a React based UI
- Placed 3rd overall in hackathon out of 50+ teams

Online Monopoly • Game Developer

PITTSBURGH, PENNSYLVANIA • FALL 2018

- Developed a custom multiplayer monopoly that can be played over several computers and locally save games
- Utilized PyGame and PyAudio to create the game, and sockets to connect different clients

Carnegie Mellon SAE Racing Club • Systems Engineer

PITTSBURGH, PENNSYLVANIA • FALL 2018 – PRESENT

- Designed a trunk meant to house printed circuit boards and modules for an electronic racing vehicle
- Prepared design presentations and assisted in finalizing financial costs for trunk project

Mousetrap Car Design Project • Design Engineer

PITTSBURGH, PENNSYLVANIA • FALL 2018

- Created a small vehicle powered by a mousetrap with Solidworks, laser cutters, and 3D printers
- Placed 5th in finals out of 28 teams

Remote-Controlled Planes Club • Club Member

HOUSTON, TEXAS • FALL 2016 – SUMMER 2018

- Designed and manufactured remote-controlled replica planes
- Assisted in organizing schedule for club events, and creating the booth for a club fair

Space Settlement Design Competition • Structural Engineering Lead

CAPE CANAVERAL, FLORIDA • SUMMER 2017

- Voted by peers to lead structural design team for theoretical Mars Settlement
- Participated in final presentation, and placed 2nd in national finals

Recon Construction • Intern

VALLADOLID, SPAIN • SUMMER 2017

- Organized bank statements and financial documents for a construction company in Valladolid, Spain
- Shadowed employee on design meetings with customers

ACTIVITIES

- **CMU: Sigma Phi Epsilon Fraternity Booth and Buggy**
- **High School: Varsity XC and Track Runner**
- **High School: Photographer for Yearbook Club**

PITTSBURGH, PENNSYLVANIA • PRESENT

HOUSTON, TEXAS • FALL 2016 - SUMMER 2018

HOUSTON, TEXAS • FALL 2016 - SUMMER 2018