ANGELA HUDAK

Seeking co-op for Summer and/or Fall for 2020

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EDUCATION

B.Sc. in Computer Engineering

Rochester Institute of Technology

August 2018 – May 2023

PROJECTS

SPEX Rover Project

Electronics Team Member

January 2019 – April 2019

- The Rover is a team project that is a part of the SPEX Club.
- Responsibility was to connect the raspberry pi 3B+ to the controller and teaching others how to solder parts together.

3D Printed Rotary and Gas Engine

Imagine RIT Project

January 2019 – April 2019

- A sub-project for Imagine RIT, the Computer Science House created a futuristic car to display at the event.
- Taught other members about 3D printers and how to use 3D files.
- Printed and assembled the interactive rotary engine.

CSH LED Sign

Python

August 2019 – Present

- The CSH LED Sign is a hand-built light box with geometric triangles cut out of it.
- Strips of individually addressable LEDs respond to a raspberry pi 3B+ in order to shift colors and utilize an iButton reader to read an iButton and display the colors picked on an individuals profile.

ORGANIZATIONS

House Improvements Director & 3D Print Administrator

Computer Science House (CSH)

August 2018 – present csh.rit.edu

- A living and learning community that emphasizes hands-on learning and projects outside of the classroom. As a 3DA, I assist and educate other members on how to print 3D files effectively and taking care of 3D printers. As House Improvements Director, I handle the Project Room and all house related auditions and improvements.

Rover Team Member

Spacial Exploration Club (SPEX)

January 2019 – December 2019 spex.rit.edu

- A community of students passionate about space and spatial investigation work on projects and conduct research space related technologies. I was apart of the Rover project working on the electronics team for the hardware and software of the Rover and lead research for the science portion.

SKILLS

Languages

VHDL | ARM Assembly | Java | Python | Arduino C/C++ | C | LaTeX

Software

IntelliJ | Pycharm | Quartus II & ModelSim | Keil MDK-ARM | Git | Microsoft Office | Raspbian | Javac | Maven | PSPICE | MATLAB

Hardware

Oscilloscopes | Breadboards / Circuitry | Digital Multimeter | Waveform Generator | Arduino UNO | Raspberry pi 3B+ | Soldering Equipment | FRDM-KL46Z Board | Prusa i3 mk2.5S | Ender 3 Pro | MakerBot Replicator 2

3D Design

Fusioin 360 | TinkerCAD | Prusa Sli3er | MakerBot Print | Cura | Sli3er

RELEVANT COURSES

Computer Science I & II

Python | Java | Git

Digital System Design I & II

VHDL | Quartus II | ModelSim

Assembly and Embedded Programming

ARM Assembly | C

Circuits I II

PSPICE

Intro to Software Engineering

Java | Git | HTML

Intro to Computer Engineering

Arduino C / C++