# 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 webapp.

## ORGANIZATIONS

### House Improvements Director & 3D Print Administrator

**Computer Science House (CSH)**

August 2018 – present  csh.rit.edu

- A living and learning community with a helpful environment 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 – present  spex.rit.edu

- A community of students passionate about space and spatial investigation. Groups of members work on projects and conduct research space related technologies. I am currently apart of the Rover project working on the electronics team for the hardware and software of the Rover.

## SKILLS

### Languages

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

Python

### Computer Science II

Java | Git

### Intro to Computer Engineering

Arduino C / C++

### Digital System Design I

VHDL | Quartus II | ModelSim

### Assembly and Embedded Programming

ARM Assembly | C

### Intro to Software Engineering

Java | Git | HTML

### Circuits I

PSPICE