

# 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

📅 January 2020 – 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.
- A user's profile will be connected to a Flask website in order for them to change the colors.

## EXPERIENCE

Head Cashier

Pet Supplies Plus

📅 June 2018 – August 2018

📍 Wall Township, New Jersey

- Was responsible for working at a register and training new employees. Also, I helped restock and do floor work with the other workers.

Expo

Chesapeake Tavern

📅 April 2016 – August 2017

📍 Long Valley, New Jersey

- Communicated with chefs and servers to provide quality food services to customers.

## SKILLS

Languages

VHDL

ARM Assembly

Java

Python

MATLAB

C

LaTeX

Software

Quartus II

ModelSim

Git

Microsoft Office

PSpice

Keil MDK-ARM

Xilinx

IntelliJ

Pycharm

Raspbian

Hardware

Oscilloscopes

Breadboards / Circuitry

Digital Multi-meter

Waveform Generator

Arduino UNO

Raspberry pi 3B+

Soldering Equipment

Basys3

FRDM-KL46Z Board

Prusa i3 mk2.5S

Ender 3 Pro

MakerBot Replicator 2

3D Design

Fusion 360

TinkerCAD

Prusa Sli3er

MakerBot Print

Cura

Sli3er

## ORGANIZATIONS

Computer Science House (CSH)

3D Print Administrator

📅 December 2018 – present

- 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.

House Improvements Director

📅 August 2019 – present

- As House Improvements Director, I handle the Project Room and all house related projects and improvements.