

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