

Angela Hudak

A Computer Engineering student seeking an internship for Summer and/or Fall 2021.

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EDUCATION

Rochester Institute of Technology | B.S. in Computer Engineering

August 2018 - May 2023

EXPERIENCE

Abbott POC | Project Support Engineering Intern

July 2020 - December 2020

- Worked in a remote setting with a Software Engineering Team
- Did smaller projects in order to learn C++
- Created the backend of a data storing program in Python using the pandas module.
- This program received data from another source and used Python to organize that data into databases for the backend of a website.

PROJECTS

Bomber Game | 6502 Assembly, Vim, Ubuntu

April 2020

github.com/angelahudak/Bomber

- A game for the Atari 2600 in 6502 Assembly
- There is a play field, scoreboard, missiles, and two players on the screen at a time, sprites, and warp border to the left and right, and background sound.

SPEX Rover Project | Electronics Team Member

January 2019 - April 2019

spex.rit.edu/projects

- The Rover is a team project that is a part of the SPEX Club.
- My responsibility was to connect the raspberry pi 3B+ to an xbox1 controller through Bluetooth and enabling it so it stayed connected even when shut off. Also, teaching others how to solder properly and safely.

SKILLS

- **Languages:** VHDL, Python, C++, ARM Assembly, MIPS Assembly, Java, MATLAB, \LaTeX
- **Software:** Xilinx Vivado, PSPICE / LTSPICE, Pycharm, IntelliJ, Keil μ Vision, Raspbian, Quartus II, ModelSim, Microsoft Office
- **Hardware:** Basys3, FRDM-KL46Z Board, Oscilloscopes, Breadboard / Circuitry, Digital Multi-meter, Waveform Generator, Raspberry pi, Arduino

EXTRACURRICULARS

Computer Science House | House Improvements Director, 3D Administrator

August 2018 – Present

csh.rit.edu

- Computer Science House is a living and learning community with a helpful environment that emphasizes hands-on learning and projects outside of the classroom.
- The House Improvements director delegates projects that improve the physical aspects of floor, such as painting, cleaning, building, and organizing House's resources.
- A 3D Print Administrator assists and educates other members on how to print 3D files effectively and taking care of 3D printers.

RIT Space Exploration Club (SPEX) | Member

January 2019 - December 2019

spex.rit.edu

- Worked with other members on the rover electronics team by building a working prototype rover in preparation for the University Rover Challenge.