

ANGELA HUDAK

Seeking co-op for Summer and/or Fall 2021

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angelahudak 🌐

EDUCATION

B.Sc. in Computer Engineering

Rochester Institute of Technology

📅 August 2018 – May 2023

PROJECTS

Team Database Project

Python

📅 September 2020 – December 2020

- A project during my internship with Abbott POC.
- Received data from a program and used Python to organize that data into databases for the backend of a website.
- Past data was transferred into new databases and efficiently updated and stored.
- Used pandas module in Python for csv databases.

Bomber Game

6502 Assembly

📅 April 2020

🌐 github.com/angelahudak/Bomber

- A game for the Atari 2600 in 6502 Assembly
- Created using Vim on Ubuntu and debugged with Stella.
- 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.

EXPERIENCE

Project Support Engineer

Abbott POC

📅 July 2020 – December 2020

🌐 Remote / Princeton, NJ

- Completed projects written in C++ and Python (Team Database Project)
- Worked in a remote setting with a Software Engineering Team

SKILLS

Languages

VHDL

Python

C++

ARM Assembly

Java

MATLAB

LaTeX

Software

Xilinx Vivado

IntelliJ

Pycharm

CodeLite

Git

PSPICE / LTSPICE

Keil μ Vision5

Raspbian

Quartus II

ModelSim

Microsoft Office

Hardware

Basys3

FRDM-KL46Z Board

Oscilloscopes

Breadboards / Circuitry

Digital Multi-meter

Waveform Generator

Raspberry pi

Arduino

ORGANIZATIONS

Computer Science House (CSH)

House Improvements Director

📅 June 2019 – present

- The House Improvements director delegates projects that improve the physical aspects of floor, such as painting, cleaning, building, and organizing House's resources.

3D Print Administrator

📅 December 2018 – present

- 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

- As a member of the rover electronics team, I worked with other members by building a working prototype rover in preparation for the University Rover Challenge.