

RYAN HAAS

COMPUTER SCIENCE AND IT

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I am a motivated computer science student with a strong interest for software development, computer networking, and information technology. I have over 5 years of programming experience, primarily with Java and Python, but I have enjoyed branching out to learn other languages like C. I am currently working towards a bachelor's degree in computer science, where I am on track to graduate 1 year early, and plan to later aim for a masters or possibly a doctorate later in my career. I have experience working with Windows, MacOS, and many common Linux distributions.

Skills

PROGRAMMING LANGUAGES

Java

Python

C/C++

HTML

CSS

JavaScript

PHP

SQL

PERSONAL

Communication

Team/Group Work

Management

OPERATING SYSTEMS

Windows

Linux

MacOS

NETWORKING

Apache

OpenSSH

Cisco ASA 5505

VMware ESXi

Education

Millersville University
Bachelor's of Science Computer Science 2018
Dean's List Fall 2018, Spring 2019, Spring 2020

Aug. 2018 to Current

Warwick High School
High School Diploma 2018

Sept. 2014 to June 2018

Employment

Millersville University
IT Support Specialist and Student Manager

Millersville University, Pennsylvania
May 2019 to Current

As an IT Support Specialist I will go out on calls for problems that the Help Desk operators can't solve on the phone. I will then troubleshoot and problem solve in order to fix whatever issue the person is having or to fulfill any request they may have had; this includes Windows problems, networking issues, and software/virus removal. I also became Student Manager in May 2020.

IT Help Desk

Millersville University, Pennsylvania
Apr. 2019 to May 2019

Working at MU's IT Help Desk involves taking people's calls to try and solve their computer problems by walking them through troubleshooting steps or redirecting them to departments that can better help them.

Weis Markets
Cashier & Front End Monitor

Manheim, Pennsylvania
June 2018 to July 2019

I've worked as a Cashier and as a Front End Monitor where I managed other cashiers, helped solve customer problems, and made sure everything was running smoothly. I have also helped work customer service where I take customer calls and try to work out problems.

Projects

UML Editor

Jan. 2020 to May 2020

As part of my Software Engineering course at Millersville I worked with a team of 3 other students to develop and maintain a piece of software for our client (our professor). We used GitHub to maintain our Kanban board and had scrum every weekday.

Personal Website and Home Server

Mar. 2019 to 2020

I turned my home computer into an Apache web server to host my own website that I made. This involved creating the website through HTML, CSS, JavaScript and PHP. I then hosted that site off a Raspberry Pi running Apache. I have also created other sites for friends and family that use PHP and SQLite.

Platformer

Feb. 2018 to June 2018

Here I created a platformer game to try out using OpenGL and GLFW. The project used the Lightweight Java Game Library. This project allowed me to learn how to use external libraries better as well as other game mechanics such as better designed game loops, reading and writing to files in an organized way, etc.

Game Remake

Mar. 2016 to June 2018

I worked on recreating a popular mobile game with Java to test my skill. This resulted in a 10,000 line project that I worked on over several months with several different versions. More details of my projects are on my website.

Connect 4 A.I.

June 2017 to June 2017

I created a Connect 4 A.I. that wins nearly every time depending on how many moves it is set to at. To do this I implemented a minimax algorithm with alpha-beta pruning.

Activities

Millersville Cyber Defense Organization · Vice President, Treasurer Current
A cyber security club at Millersville University that participates in CTF competitions and attends conferences. We also participate in the National Collegiate Cyber Defense Competition every year. In the club I maintain our lab network and have been slowly upgrading it over the past few months.

Warwick HS Programming/E-sports club
A club I participated in to work on programming with other students at my high school.

Cub Scouts/Boy Scouts of America
I was a member in Cub Scouts and the Boy Scouts of America, where I participated in numerous community events and held several leadership positions such as Patrol Leader, Assistant Patrol Leader, and Scribe.

Awards

Mid-Atlantic Collegiate Cyber Defense Competiton · 6th Place in MACCDC Mar. 2019
Qualified for the CCDC regionals and tied for 6th place at MACCDC. The competition involved actively defending Linux and Windows boxes from real life industry hackers on the Red Team.

Graduated as a Member of the National Honor Society June 2018

Boy Scouts of America · Eagle Scout Dec. 2016
I spent much of my childhood and teenage years working on obtaining my Eagle Scout. In December of 2016 I finally achieved that rank.

Volunteering

National Honor Society
Through my membership in the National Honor Society I participated in several volunteering events with the club and individually. Some of these include the Schreiber Pediatric Duck Race, visiting retirement homes to host activities, and helping other school's events.

Manheim Community Farm Show
I worked at one of the fry stands at the fair. I walked the parade route to make sure the path was clear and that kids were safe.

Food for Scouting
I participated in several Food for Scouting events. This involved putting bags on doors for people to donate food, collecting and then delivering that food to food banks in the area.