Christopher Ayoub

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Education

University of Maryland, College Park

BS *Electrical Engineering*

GPA 3.42|Expected May 2020

Dean's List Fall 2017

Skills

Programming Languages

Verilog, C, Java, Python

Hands on Skills

Soldering, Crimping, Military Cables

Computer Programs

Express PCB, Visio, Autodesk Inventor

Coursework

Discrete Signal Analysis
Digital Logic Design
Electric Circuits
Differential Equations
Linear Algebra

Activities

CIVICUS Honors Program

A two- year, invitational, honors program that empowers students to become engaged citizens through a focus on community service learning and leadership development.

Citation Earned May 2018

Vitual Reality Club

- **Worked in lab using Oculus Rift and HTC Vive**
- **Attend weekly meetings**

Terrapin Beats Society

- **Created music and songs using FL studio**
- **Taught myself how to play piano and fully utilize the software**
- **Attended club events**

Experience

Naval Research Laboratory — Electrical Engineer Intern

June 2018 - August 2018 — *Washington,DC*

- **Implemented the use of multiple 1-wire temperature sensors using Verilog.**
- **Created ability to loop through any number of sensors and discover their unique 64-bit address, and temperature.**

Wabtec Railway Electronics — Electrical Engineer Intern

June 2018 - August 2018 — *Germantown, MD*

- **Experimented with low level configuration of codec and modified PCB for use of codec.**
- **Created configuration file with I2C register manipulation.**
- **Used Express PCB software tools to identify location of components to be installed/removed.**

Univ. Maryland College Park — Teaching Assistant

January 2018 - Present — *College Park, MD*

- **Taught EE concepts such as IOT, computer vision, and digital circuit design.**
- **Lead 2 hour lab sessions twice a week.**

Univ. Maryland College Park — Peer Dialogue Leader

January 2018 - May 2018 — *College Park, MD*

- **Lead dialogue sessions where people talked about current controversial issues.**
- **Attended about 70 hours of training.**

Projects

Schedlr

- **Built a schedule building app for University of Maryland students using Swift.**
- **Designed algorithm that would look through all necessary class codes and create all possible schedules**
- **Created a filtering system that removed unwanted schedules.**

Power Supply Switch

- **Wrote a program in python that interfaced with a power supply and used it for testing.**
- **Interfaced with the power supply through the serial port and then communicated with a test box to see if it's ethernet ports had malfunctioned.**

RDT

- **Created a reddit scraper in python that would allow you to use reddit in the command window.**
- **Created an algorithm that also drew any pictures scraped in ascii**