



EDUCATION

Montgomery Blair High School

Silver Spring, Maryland

Science, Mathematics, Computer Science Magnet Program

Activities: Blair Hack Club (Captain), System Operator of school servers, Silver Chips Online (Web Developer), Ultimate Frisbee Team

August 2020 – June 2024

GPA: 4.0

WGPA: 4.96

EXPERIENCE

ASPIRE Intern

John's Hopkins Applied Physics Lab | Laurel, MD

June, 2023 – August, 2023

- Worked to develop an autonomous robot to track WiFi APs using an Arduino and ESP8266
- Used serial and web endpoints to communicate between client device and robot
- Implemented the use of multiple sensors such as gyroscope, GPS, and ultrasonic

Research Intern @ UMD MindLabs

University of Maryland | College Park, MD

June, 2023 – August, 2023

- Conducted Research under the mentorship of Prof. Dr. Ashok Agrawala
- Collected and performed analysis on breathing and respiratory data

Director of BlairHacks (now CrabHacks)

Silver Spring, MD

May, 2021 – Present

- Co-led a team of 20 in logistics, outreach, finance, and tech
- Reached out and coordinated with sponsors to raise money for our event
- Worked on building/maintaining the website & portal for our event using Next.js and Firebase

STRENGTHS & SKILLS

- Full-Stack Web Development
- Server Management
- Adaptability/Flexibility

React

Typescript/Javascript

Python

Django

Pandas

Matplotlib

Git

Linux

Docker

HTML

Node.js

Firebase

CSS

Ruby

Rails

Postgres

ACCOMPLISHMENTS

- Developed Grade Melon (1K+ visitors each day)
- Public Favorite | poolsville_hacks 2 (2023)
- Best in Show | Codeday DC (2022)
- Best UI Hack | Mocohacks Hackathon (2021)
- AP Scholar with Distinction
- Congressional App Challenge Winner in MD-03 (2019 & 2020)

COURSEWORK

- Analysis 1 (AP Calc BC)
- Analysis of Algorithms
- Algorithms and Data Structures (AP CSA)
- Intro AI with Python
- Modeling and Simulation
- Future of Programming Languages
- Software Design
- AP Statistics
- Quantum
- Intro to Networking
- AP Macro/Micro Economics