

JOE LEWIS

jlewis23@umd.edu

<https://joewebsserver.com>

Education

University of Maryland, College Park September 2020 – Present
BS, Computer Science, Cyber Security Specialization
Cumulative GPA of **3.8** as of Jan 2021

South River High School – *STEM Magnet Program* August 2016 – May 2020
Cumulative GPA of **4.4**
Ranked **23** out of **543**
SATs: Math **700**, Reading **760**

Work Experience

Arlington Echo Outdoor Education Center June 2019 – August 2019
ArcGIS Mapping Internship

- Created and mapped grid system in ArcGIS for scientific measurements
- Upgraded and repaired Augmented Reality Sandbox running Linux

Smithsonian Environmental Research Center June 2019 – August 2019
Pepper Programming Internship

- Programmed a semi-humanoid robot for environmental education and engagement
- Further developed web and python programming skills
- Created applications and lesson plans for elementary students

Leadership and Extracurricular

Power Hawks Robotics FIRST Tech Challenge (FTC) August 2017 – July 2020
Programming Captain of Team 3796

- Awarded Outstanding Achievement in Robotics Autonomous programming award
- Greatly improved communication skills between other students and adults

Chief Operating Officer / Chief Executive Officer

- Coached club of 40+ students as senior robot programmer
- Further improved leadership and communication skills with students and adults
- Led three Robotics teams to Maryland State Championships

CyberPatriot Cyber Security Club September 2016 – September 2019
Platinum-level Maryland Semi-finalist competitor (top 10% in Maryland)
Co-Captain

- Oversaw four gold-level CyberPatriot teams
- Evaluated and organized other cybersecurity-based competitions

Morning Announcements Team September 2018 – July 2020

Personal Projects and Computer Skills

Projects

Containerized Home Servers (Proxmox) Centralized and Automated Statistics
Networking with VLANs Home PC Building
Raspberry Pi projects E2E Encrypted Chat App

More at <https://joewebsserver.com>

Skills and Experience

Languages: C, Python, JavaScript, Java, Bash

OSs/Programs: Linux, Proxmox, Nginx, Samba, Express, MongoDB, OpenSSH, OPNSense, ArcGIS

Areas of Interest: Networking, Cybersecurity, Systems Engineering, Hardware Engineering