Cooper Joseph Werner

Cooperwerner824@gmail.com | 410-370-1474 | cooperw824.github.io

Career Goals: Attend an accredited university, major in either Mechanical Engineering or Computer Engineering, and build a career in Mechanical Engineering, Computing, or Software Development.

Skills: Proficiency in Microsoft Office and G-Suite, experience using JetBrains IDEs, proficiency in Python, C++, Java, JavaScript, and developer tools such as Git and GitHub. Experience developing for the Arduino and Raspberry Pi platforms, experience designing and developing PCBs, and proficiency in 3-D modeling and Additive Manufacturing.

Education

Western School of Technology and Environmental Science (Western Tech) Anticipated Graduation: 2023

Information Technology – Computer Science (CS), with a Program GPA of 4.0

Grade 9: Foundations of CS (A)

Grade 10: AP Computer Science Principles (A), Cybersecurity Essentials (A)

Grade 11: AP Computer Science A (A)

Other Notable Courses:

AP Calculus AB (A), GT/AA Physics (A), GT/AA Chemistry(A), GT/AA Biology (A)

Overall Unweighted GPA: 3.88/4.00   Overall Weighted GPA: 5.38/6.00

Certifications in Computer Science:

Cisco Cybersecurity Essentials Certification, June 2021

Sololearn Python Certification, December 2019

Sololearn C++ Certification, August 2020

Awards and Accolades:

Eagle Scout Award from Troop 143, Earned April 2021

Skills USA 2021 Maryland State Silver Medal in Computer Programming, April 2021

Bronze Eagle Palm for Excellence in Scouting, September 2021

Scouting Honor Society, Order of the Arrow Member, September 2019

2020 Model Congress Best in Committee, February 2020

Western Tech Honor Roll, 2019 – Present

Extracurricular Activities:

Scouts BSA, Senior Patrol Leader & Eagle Scout, 2016 – Present

Learned leadership and skills that would help me in the everyday world. Led weekly Troop Meetings as the Senior Patrol Leader for year in total. Helped to lead the transition from in-person to virtual Scouting at the height of the COVID-19 pandemic, while keeping meetings fun and engaging for all.

Western Tech Hack/Coding Club, Member & President, September 2020 – Present.

Helped to develop a website to track and predict COVID-19 cases from April 2021 to present day and to inform the public of how they can keep themselves safe and prevent spread. Currently leading and planning activities for the 2021-22 school year.

Engineering Club, Member, September 2019 – Present

Learned how to use power tools like bandsaws, drill presses, and sanders, to build real world projects, and solve real world engineering problem with other talented engineers.

Western Tech Model Congress, September 2019 – February 2020

Sat on the Senate committee for Science, Commerce, and Travel, and authored a bill to increase road safety by replacing unsafe traffic intersections with roundabouts, the bill was passed in my committee, the Senate, and the House. I was nominated for and won the Best In Committee award.

SkillsUSA, Member and Computer Programming Competitor, September 2019 – April 2021

Developed a small application to track the number of pizzas, snacks, and drinks a customer ordered along with the customer's desired pizza toppings and then Calculate the subtotal and total from the customer's selection. Won 2nd place in the State of Maryland.

Western Tech Model UN, Feb 2021 – April 2021

Represented the Country of Papua New Guinea, and learned valuable negotiation skills while trying to achieve the best deal for Papua New Guinea.

Work Experience:

Software, Magic, and Rainbows LLC. (Paid Software Engineering Intern) June 2021 – August 2021

Developed a tool to work with low-level USB and Serial Communications to import USB and Serial data into a tool named Hobbits designed to visualize and analyze bits of data.

Professional References:

Adam Nash, Owner of Software, Magic, and Rainbows LLC. Previous Employer and Internship Mentor, Email: adam@smr.llc