

# Cooper Joseph Werner

cooperwerner824@gmail.com | 410-370-1474 | <https://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, proficiency in Python, C++, Java, JavaScript, Git, GitHub, Arduino, and Raspberry Pi platforms. Additional proficiency in designing PCBs, 3D modeling, and 3D printing.

## Education:

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

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

Grade 9: Foundations of CS (A), GT/AA Biology (A)

Grade 10: AP CS Principles (A), Cybersecurity Essentials (A), GT/AA Chemistry(A),

Grade 11: AP CS A (A), AP Calculus AB (A), GT/AA Physics (A)

Grade 12: AP Calculus BC (A), AP Economics (A)

Overall Unweighted GPA: 3.92/4.00

Overall Weighted GPA: 5.38/6.00

## Awards and Accolades:

Eagle Scout Award from Troop 143, April 2021

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

Bronze Eagle Palm for Excellence in Scouting, September 2021

2020 Model Congress Best in Committee, February 2020

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

Western Tech Scholar, 2019 – Present

## Extracurricular Activities:

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

I learned leadership skills that help me every day. Led weekly Troop Meetings as the Senior Patrol Leader. I 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 – May 2022.

Helped to develop a website to track and predict COVID-19 cases and to inform the public of how they can keep themselves safe and prevent the spread of COVID-19. As President, in 2022 I taught Python to the next generation of software engineers.

Engineering Club, Member, September 2019 – May 2022

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

Western Tech Model UN, Feb 2021 – April 2021

Western Tech Model Congress, September 2019 – February 2020

## Work Experience:

TechSlice, (Software Engineering Intern) August 2022 – Present

I use JavaScript and its frameworks like ReactJS, NextJS, and AngularJS to build modern, interactive, and intuitive user interfaces for medical technologies and software for social good. I also engage in a variety of research tasks to ensure that our technology keeps up with modern standards ensuring quality for our clients.

Bellese Technologies, (Software Engineering Intern) July 2022 – August 2022

I used Java to contribute to the Medicare pricer modernization effort. I worked as a part of a much bigger team that spanned two companies. I learned various agile methodologies and learned what it meant to work as a part of a bigger team of people.

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

Developed a tool in C++ to work with USB and Serial Communications to import USB and Serial data into a tool named Hobbits designed to visualize and analyze bits of data.