**PROFESSIONAL OBJECTIVE & SUMMARY:**    
Senior Computer Science student seeking summer internship opportunities and future full-time roles in software engineering and machine learning/AI.  
Strong background in computer principles, practices, and systems as well as business operations. Team player who performs at high levels of productivity in fast-paced environments, while consistently meeting and exceeding all deadlines. Strong analytical approach to challenges, possesses well-developed written and oral communication skills. Recognized for leadership and problem-solving skills, as well as thoroughness and accuracy. Able to analyze computer needs and problems.

**EDUCATION**

**University of Maryland Eastern Shore –** Princess Anne, MD**;   
*Bachelor of Science – Computer Science (Major); Business Focus (Concentration);* GPA:** 3.646**; Expected Grad:** December 2024 **Technology Summary  
*Systems:*** Advanced in Windows, Novice in Linux-Based and Unix-Based Systems, Experienced in Relational Database Management Systems, Firebase/Firestore ***Software:*** Visual Studio, Visual Studio Code, PyCharm, Python-Shell, Eclipse, R-Studio, Github, Godot, MS Office (Word, PowerBI, Excel, PowerPoint), Notepad++, Windows Power-Shell, Android Studio  
***Programming Skills:*** Experienced in Java, Git, IBM Mainframe, Machine Learning/AI,

HTML, CSS, JavaScript, R, C, SQL, SQLite, Visual Basic, Github, and COBOL. Advanced in Python, C++, Computer Software installation and configuration, Software Development, Object-Oriented Programming, Front-End and Back-End development  
 **Skills:** Experienced in MS Office, Social Media Management, Live-Streaming, Timesheets, Troubleshooting, Video Editing, Leadership, Collaboration, Design Thinking, Problem Solving, Research, Presentation **EXPERIENCE**

**University of Maryland Eastern Shore, Princess Anne, MD February 2023 – May 2024  
*Computer Science Tutor; Paid Undergraduate (2/23 - 5/23) & Volunteer (9/23 - 5/24)***

* Transitioned from a paid tutor to a volunteer due to graduate tutor department policy, continuing to support students in mastering computer science.
* Taught advanced topics with a focus on C++ programming, contributing over 20 hours a week in instructional and support activities (Paid).
* Utilized tools such as C++, Python, Visual Studio, and GitHub; enhanced learning experiences by integrating new tools like Eclipse and XCode. (Paid/Volunteer)
* Sustained student understanding of complex topics, aiding with projects and refining tutoring methods based on ongoing feedback. (Paid/Volunteer)

**University of Maryland Eastern Shore, Princess Anne, MD June 2023 – August 2023   
*Undergraduate Computer Science Researcher***

* Researched Flipped Learning’s effects on student retention and engagement in the classroom through case studies.
* Brainstormed and created materials and ideas to apply Flipped Learning and prepared weekly reports that detailed the progress of the research. Helped develop curriculum involving Flipped Learning.
* Utilized tools such as C++, Word, Visual Studio, Google Scholar, Google Forms

**PROJECTS**• Won the 2024 AMIE Design Challenge with the UMES team and our ThermalFocus Bundle!  
- We proposed a solution to improve Uber’s facial verification for all drivers and especially those of darker skin tones using Near-Infrared technology.  
• Used Python libraries to create a facial recognition software that can be trained, validated, and fed new images to label; Developed a web application that allows users to create evaluations; <https://sisrael.pythonanywhere.com/>   
• Used C++ to create a machine learning program that can predict Iris flower types using flower attributes   
• Used Github to host website to host an online portfolio linking to several projects and other resumes   
<https://israelshowell.github.io/>  
**CERTIFICATIONS:** JavaScript, HTML, CSS, Python, and Java.