

## ISRAEL SHOWELL

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### Education

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**University of Maryland Eastern Shore – Princess Anne, MD;** **Sept 2021 – Dec 2024**  
***Bachelor of Science – Computer Science (Major); Business Focus (Concentration); GPA: 3.646;***

### Technical Skills

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**Languages: Advanced:** Python, C++, HTML/CSS, Javascript; **Experienced:** Java, SQL, C

**Developer Tools:** VS, VS Code, Github, PyCharm, Android Studio, Python/Windows Power-Shell, Eclipse

**Technologies/Frameworks:** Git, Flask, Windows, SQLite, React, NodeJS, Firebase Database

**Other Skills:** Agile, Documentation, MS Office, Object-Oriented Programming, Full-Stack development, Machine Learning, Design Thinking (Won 1<sup>st</sup> in the 2024 AMIE Competition), Collaboration

### Experience

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**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 over 10 hours a week.
- Brainstormed and created materials and ideas to apply Flipped Learning and prepared weekly reports that detailed the progress of the research and helped develop curriculum involving Flipped Learning.
- Utilized tools such as C++, Word, Visual Studio, Google Scholar, Google Forms

**Salisbury University; Salisbury, MD** **June 2022 – August 2022**  
***National Science Foundation REU Intern***

- Analyzed anomalous data using MapReduce and Python in a Linux environment
- Utilized tools such as MapReduce, Python, Linux to accomplish this goal.
- Collaborated with colleagues to complete research and data analysis, presented research experience to a scientific audience, and contributed to a research paper.

### Projects

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#### **2024 AMIE Design Challenge**

- 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 a combination Near-Infrared technology, Python libraries, and React.

#### **Professional Portfolio**

- Created a website using hosting services provided by Github to host portfolio and committed changes to repositories hosted on Github; This portfolio links to more information about myself, my skills, experiences, and projects that I built using my aforementioned Technical Skills in combination with additional ones not listed.

<https://israelshowell.github.io/Landing-Page/>