

## ISRAEL SHOWELL

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### 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.

### 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, 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, COBOL, 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

### Project Experience

#### 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 Near-Infrared technology.

#### Git/Github

- Created a website using hosting services provided by Github to host my online portfolio and committed changes to repositories hosted on Github; <https://israelshowell.github.io/>
- Uploaded various projects onto Github via the website and the command line tool Git.

#### SQL/SQLite

- Used SQL and SQLite to develop, access, and manage a database for a GUI Python login program and a web application that allows users to create evaluations on courses; <https://sisrael.pythonanywhere.com/>

#### Godot

- Used Godot to create a Bullet-Dodge game with sound effects, changing backgrounds, and a HUD
- #### C++
- Created a basic calculator instruction manual for new computer science students to use
  - Used Object-Oriented Programming techniques to develop a machine learning program that can predict Iris flower types using flower attributes

#### Java

- Created Voluble, a chat app that allows user to communicate with each in real-time; Powered using Java, Firebase, Firestore, and developed in Android Studio

#### Python

- Created multiple GUI programs that provide various uses such as QR code generation, login software.
- Created a top-down Alien shooter game using various pre-built and custom Python libraries and Pygame
- Created a facial recognition software that can be trained, validated, and be fed new data to predict and label new images

#### HTML/CSS/JavaScript

- Created a mock website that allows functionality to create accounts and login into them. Python and SQL/SQLite used for Back-End development, HTML/CSS/JavaScript used for Front-End development
- Created a mock website that can be accessed through a browser similarly to a real website

<http://next-generation.great-site.net/?i=2>

**CERTIFICATIONS:** JavaScript, HTML, CSS, Python, and Java.