SOFTWARE DEVELOPER

Jeff Shelton

JEFFREY.SHELTON.C@GMAIL.COM | (478) 225-8234 | GITHUB.COM/JEFFCSHELTON

EDUCATION

- Georgia Institute of Technology – B.S. Computer Science, 2025 – 4.0 GPA
  - Relevant Coursework: Object-Oriented Programming, Data Structures and Algorithms

SKILLS

- Fluent and experienced in C, Javascript, Python, Rust, Java, SQL, C++, and Swift
- Full-stack web development
- iOS app development and publishing
- Relational database management with SQLite and MS-SQL
- Capable with Linux and Bash scripting

WORK EXPERIENCE

DEVELOPER INTERN, SILVERVINE SOFTWARE — JUNE 2022 - AUGUST 2022

- Led the development of a testing solution for their insurance policy-tracking system that catches bugs locally and on pull requests to the release branch using Playwright in **Node.js**, **Typescript**, and **GitHub Actions**.
- Took initiative to detect and fix **SQL** injection vulnerabilities by writing a **Python** script to correct vulnerable queries in ColdFusion code.

CO-FOUNDER, DOWNTOWN DATA — SEPTEMBER 2021 - MAY 2022

- Developed a full-stack application to help cities store, display, and manage important data points for property within city jurisdiction using **React.js**, **Express** with **Node.js**, and **Rust Rocket**.
- Co-founded alongside a member of the Perry, GA Chamber of Commerce.

FOUNDER, PHYSIKALITY — SEPTEMBER 2016 - DECEMBER 2020

- Freelanced an app named A Trip to the Dentist for the Pediatric Dentistry of Central Georgia to help their special-needs patients feel more comfortable going to the dentist's office, built with **UIKit** in **Swift**.
- Published two iOS games, Degrees and Stellar View, using **Swift** and **SpriteKit**.

EXTRACURRICULAR

YELLOW JACKET SPACE PROGRAM — AUGUST 2022 - PRESENT

- Currently designing and implementing a hardware-in-the-loop table from scratch for integration testing of rocket avionics software and hardware, written in **C++**.
- Working toward launching a full-scale rocket into space to study weather patterns in the upper stratosphere.

PERSONAL PROJECTS

THE JDX PROJECT — MARCH 2021 - PRESENT

- Created and currently maintain a set of libraries and tools which compress large datasets of images into a single minified and standardized file format, increasing the efficiency and simplicity of image storage and modification in machine learning applications, with components written in **Python**, **Rust**, and **C**.

EVAPORATE — MAY 2022 - JUNE 2022

- Reverse-engineered the iOS backup format to create an open-source tool to extract photos, contacts, and text messages so they can be viewed conveniently without restoring them to an iPhone, built in **Rust** utilizing **SQLite**.

... plus many more on my Github