

Jeff Shelton

EDUCATION

- Georgia Institute of Technology – B.S. Computer Science, 2025 (*expected*)
- Westfield School – Salutatorian, 2022

SKILLS / RELEVANT COURSEWORK

- Fluent and experienced with C, Javascript, Python, Java, SQL, Rust, & Swift
- 9 years of self-taught programming experience, 6 years of professional experience
- CS 1331 : Object-Oriented Programming
- CS 1332 : Data Structures & Algorithms

AWARDS

- Georgia Governor's Honors Program Alumnus for Computer Science
- Georgia Region VI STAR Student (Highest SAT in Middle Georgia)
- National Merit Scholar
- Golden Eagle Award for Technology

WORK EXPERIENCE

DEVELOPER INTERN, SILVERVINE SOFTWARE – SUMMER 2022

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

CO-FOUNDER, DOWNTOWN DATA – 2021-2022

- Developed a full-stack application helping cities store and display important data points for city property management using React.js, Express with Node.js, and Rust Rocket.
- Co-founded alongside a member of the Perry Chamber of Commerce.

FOUNDER, PHYSIKALITY – 2016-2020

- Freelanced an app—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.
- Made and published two iOS games, Degrees and Stellar View, using Swift and SpriteKit.

PROJECTS

YELLOW JACKET SPACE PROGRAM – 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.

THE JDX PROJECT – 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 – 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 without restoring them to an iPhone. Built in Rust utilizing SQLite.