

Allison Brown

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EDUCATION

Bachelor of Science in Software Engineering

Florida Gulf Coast University | May 2027

- Minor in Marketing, GPA 3.62, President's List x2, First Generation College Student
- Relevant Courses: Data Structures & Algorithms, Computer Security, Intro to Cloud Computing, Data Mining

Associate in Arts

Florida SouthWestern State College | May 2023

- Honor's Graduate, GPA 3.93

PROJECTS

IMPOSTURE - AI Powered Wellness Coach | September 2025

github.com/abrown33914/IMPOSTURE

- Placed 2nd of 1,400+ in ShellHacks 2025 Google Cloud Challenge for an AI posture/distraction detection app.
- Integrated Google ADK/Cloud APIs into a desktop posture tracking platform with a seamless user experience.
- Built responsive wellness UI featuring real time biometric monitoring and adaptive visual feedback systems.

Neo Eden – Survival Assistant App | April 2025

github.com/abrown33914/neo-eden

- Built a React Native/Expo app for survival planning with Google Maps overlays of water, farmland, and radiation.
- Developed a local report center using secure local storage to log and share survival coordinates.
- Implemented an image-to-AI chatbot with Gemini API for plant identification and farming guidance.
- Delivered responsive cross platform UI/UX with React Native, JavaScript, and Figma.

Securing Delivery Drones – 3D Simulation Platform | March 2025

github.com/abrown33914/drone-project-simulations

- Simulated RF jamming attacks in Gazebo + SITL to evaluate communication vulnerabilities in delivery UAVs.
- Programmed Python frequency-hopping defenses and autonomous failsafe responses.
- Assessed system resilience under adversarial conditions, highlighting protective strategies for UAV networks.

EXPERIENCES & INVOLVEMENT

Hackathon Organizer

CSSEC EagleHacks | Spring 2024 - Present

- Directed planning for two EagleHacks events, FGCU's only student-run hackathon, engaging 100+ hackers.
- Secured \$23K+ in sponsorships and grants from 7 corporate partners including Arthrex, Hertz, and Kingland.
- Oversaw logistics, registration, and judging while expanding impact with workshops and networking.

Vice President

FGCU Computer Science & Software Engineering Club (CSSEC) | January 2024 - Present

- Advanced from Marketing Coordinator to Vice President, leading weekly meetings and officer led workshops.
- Organized panels and career events with professionals from Microsoft, Hertz, and Arthrex.
- Built a collaborative, growth-focused community through mentorship and projects.

Top 20th Hacker

ShellHacks 2024 (FIU) | Fall 2024

- Ranked Top 20 out of 250+ projects for developing a mobile app that applied AI to improve financial literacy.
- Designed intuitive dashboards and visualizations to deliver personalized budgeting and advising insights.

Hacker

Hackabull 2025 (USF) | Spring 2025

- Collaborated in a 24 hour hackathon sprint, designing a survival app with mapping, reporting, and AI features.
- Gained hands on experience in rapid prototyping, teamwork, and pitching under tight deadlines.

Member

Society of Women Engineers (SWE) | Fall 2023 - Present

- Engaged in a professional community supporting women in engineering and technology.