Skyler Hall

754-281-3139 | Skyler.hall.business@gmail.com | https://www.linkedin.com/in/skylerhalll/ | github.com/skyler-hall | https://skylerhalll.com/

Education

Florida International University | Miami, FL   Dec 2026
- B.S in Computer Science | A.A. in General Studies
- Associations: INIT | MLT | Codepath | Color Stack | Code Culture | Google Tech Exchange

Skills

- Programming Languages: Java | Python | C++ | HTML/CSS | JavaScript | TypeScript | Express | Tailwind | Swift
- Technologies: React.js | Node.js | Next.js | Firebase | SQL | Appian | AngularJS | Flask | Git

Experience

Software Engineer Intern | Vanguard – Malvern, PA   May 2025 – August 2025
- Co-developed Application Processor, a full-stack Appian tool to streamline intake tracking for 50+ internal apps managed by the Workflow Management Team.
- Built Record Types, Interfaces, and Process Models to track requests, app records, and enhancement submissions.
- Developed a user-facing intake app to standardize request submissions across departments.
- Designed a centralized dashboard with real-time status updates and automated notifications to improve requester visibility.
- Participated in a month-long hackathon, developing an Angular front-end "Calculate" feature integrated with Flask and Bedrock to process tax documents and display personalized savings reports.

Teaching Assistant | Florida International University – Miami, FL   Aug 2024 – Dec 2024
- Supported the instruction of 56 students in Programming 2 (Java), holding weekly office hours to clarify OOP concepts and provide individualized guidance.

Teacher | INITxIGNITE – Miami, FL   Aug 2024 – Dec 2024
- Taught JavaScript and Python to middle and high school students in Miami-Dade, designing engaging lessons and projects adapting to varying skill levels leading to an increase of **10 members per class**.

Projects

Soliss | Swift, C++, Arduino, Firebase, UV Sensor Module, REST API   Sep 2025 – Sep 2025
- Led a team of four at PennApps to develop a mobile app and wearable device that monitored user UV exposure and delivered personalized recommendations based on age, skin conditions, and skin tone; implemented features including login, history tracking, and real-time UV sensor integration using C++ for device-side programming.
- Built and integrated an API request system in Swift that generated AI-powered skin care recommendations and created a severity scoring scale tailored to user demographics and conditions.

Shellhacks Bot | Python, Discord.py, Discord API, Notion API   Aug 2025 – Sep 2025
- Developed cogs for INIT Discord bot using Python and Discord.py, leveraging the Notion API to automatically query a knowledge base and deliver instant answers to INIT Server.
- Built a closed-loop Discord support system with interactive UI, to connect students to the correct support member.

recyclepediamdc.com | React, Firebase, Tailwind, Next.js   Sep 2024 – Dec 2024
- Led team of 12 in collaboration with Miami-Dade County to redevelop the Recyclepedia website and create iOS/Android apps using React, React Native, Next.js, Firebase, and Tailwind CSS.
- Led web development project, re-creating site structure and features resulting in **200** new active monthly users.

Leadership & Professional Development

Student | Google Tech Exchange   Jan 2025 – April 2025
- Selected for a competitive semester-long program, taking classes led by Google engineers to learn full-stack development fundamentals and industry best practices through project base learning.

Web Dev Explore Technical Lead | INIT   Jan 2025 – Present
- Lead in-person workshops for 10,000+ club members, covering web development best practices, modern frameworks, and full project lifecycle training while mentoring participants through hands-on projects.

Career Prep Fellow | Management Leadership for Tomorrow   Aug 2023 – Present
- Accepted into a selective 18-month professional development program for high-achieving diverse talent.
- Complete programming studies and assignments to grow leadership and technical skills.

Student | Capital One Tech Mini Mester   July 2024 – Aug 2024
- Completed an immersive technical training program with Capital One, strengthening teamwork and mentorship skills while gaining foundational expertise in Node.js, JavaScript, and CLI tools.