Tyree McCloud

(404)-940-2642 • Atlanta, Georgia • tyreerussellmccloud@gmail.com
https://www.linkedin.com/in/tyree-mccloud-46367b256/

EDUCATION

GEORGIA STATE UNIVERSITY	**4.0 GPA**
B.S Computer Science / Minor: Cybersecurity	**May 2025 (expected)**
M.S Computer Science	**Dec 2025 (expected)**

EXPERIENCE

Northrop Grumman	**Melbourne, Florida**
Software Engineer Intern	**Summer 2024**

- Contributed to the DevOps Team, employing Bash and Python scripts to Bamboo to automate secure file transfers between classified and unclassified networks.
- Demonstrated adept troubleshooting skills, swiftly diagnosing and resolving issues within (CI/CD) pipelines.
- Proficiently utilized Atlassian tools to streamline team collaboration and project management processes.
- **Tools Used:** Bash, Linux, Virtual Machine, Python, Groovy, Atlassian tools, CI/CD pipelines, Vim, Groovy

Software Engineer Intern	**Summer 2023**

- Worked on the Aviation Flight Management Computer team, contributing to the development of software for flight management computers in an Agile Scrum environment
- Sanitized, Edited, reviewed, and Wrote C/C++ and Ada code to optimize CPU utilization
- Worked with remote servers using Putty, WinSCP, and Rational Apex and tested on a VxWorks OS
- **Tools Used:** C/C++, Bitbucket, VS Code, Git, Putty, WinSCP, VxWorks OS

PROJECT EXPERIENCE

Keylogger	**2024**

https://github.com/TyreeMcCloud/Mac-keylogger

- Developed a macOS keylogger application to capture and log user keystrokes securely using macOS frameworks
- Designed an intuitive command-line interface for seamless configuration and management
- **Tools Used:** C, Makefile, macOS, Core Graphics Framework, VS Code, Git, GitHub

Safe Location Finder	**2023**

https://github.com/TyreeMcCloud/SafeHaven-ATL--Repo

- Application that provides a visual indication (green, yellow, red) to determine the safety level of a user's location
- Scraped websites for real-time crime data in Atlanta and used geolocation APIs to assess the user's security.
- **Tools Used:** CSS, HTML, JavaScript, API's, VS Code, Git, GitHub

Word Search App	**2023**

https://github.com/PallaviRao1113/WordSearchApplication_MobileAppDev

- Collaborated to engineer a user-friendly interface for dynamic word searches, accommodating difficulty levels.
- Utilized Java's object-oriented approach to integrate the Shared Preferences API to save user-earned points.
- Implemented key features (Timer, point system, word verification)
- **Tools Used:** Java, Android Studio, Git, GitHub, API's

SKILLS

Programming Languages: (Proficient): Java, C, Python, Bash (Familiar): CSS, HTML, JavaScript, Groovy
Version Control: Git, GitHub, Bitbucket
Development: Atlassian tools (Jira, Confluence), Agile/Scrum methodologies, VMware, Docker

CERTIFICATIONS / CLEARANCE

- Active Secret Security Clearance