

# Richard A. Khouri Jr.

richie.khouri@gmail.com

(864) 712-2717

[www.linkedin.com/in/richardkhouri](https://www.linkedin.com/in/richardkhouri)

<https://rakhouri.github.io>

## EDUCATION

Clemson University – Clemson, SC

May 2026

*Bachelor of Science Computer Science; Cybersecurity Minor*

- GPA 3.90/4.00 – Dean's List: Fall 2022; President's List: Spring 2023, Fall 2023, Spring 2024; RHA Golden Tiger Recipient

## TECHNICAL SKILLS

**Programming Languages:** Python (Proficient) | C++ (Proficient) | Java (Proficient) | C (Intermediate) | HTML (Intermediate) | Bash (Intermediate) | CSS (Novice) | JavaScript (Novice) | TypeScript (Novice) | PostgreSQL (Novice)

**Platforms and Frameworks:** Git | Linux/Unix | Angular | React | Agile/Scrum | Spring Boot | Docker | JUnit | Playwright | Cypress | Maven | Jira | Confluence | Bitbucket | Bamboo | Vim | Visual Studio Code | DBeaver | Docusaurus | IntelliJ

**Relevant Courses:** Programming in Java, Programming Methodology in C/C++, Data Structures and Algorithms, Software Development Foundations, Network Programming, Intro to Computer Organization Intro to Software Engineering, Operating Systems (Current), Web Application Development (Current), Programing Systems (Current)

## RELEVANT EXPERIENCE

Michelin North America – Greenville, SC

May 2024 – August 2024

*Information Technology Intern*

- Supported 9+ international tire testing applications using **Agile/Scrum** project management principles
- Programmed 20+ End-To-End functional test for various tire testing applications using **Cypress** and **Gitlab Runner**
- Implemented an automatic driver calendar emailer for the tire testing operators using **SpringBoot**
- Collaborated to program an interactive Tire Testing dashboard outlining 7000+ incorrectly created work orders in the database using **AngularJS** and **PostgreSQL**

CCIT Division of Research Computing and Data Engagement – Anderson, SC

January 2024 – May 2024

*Software Developer Intern*

- Consulted 2000+ researchers to support their use of the Palmetto Cluster Supercomputer cyberinfrastructure
- Programmed interactive tools to the Clemson RCD documentation site using **ReactJS**
- Performed **End-To-End** user testing on the Clemson Coldfront resource allocation database using **Playwright** and **Bamboo**
- Developed automatically generating documentation based on the **Modulefiles** on the Palmetto Cluster

Clemson School of Computing – Clemson, SC

August 2023 – Current

*Head Teaching Assistant*

- Leading 13 TAs for the Intro to Python course and conducting office hours to assist students debug and review their code
- Coding 10+ labs teaching variables, loops, lists, dictionaries, modular programming, exceptions, and file I/O in **Python**
- Developing a script with the **Gradescope API** that creates an auto grader for 10+ labs/projects that tests student's code
- Strengthening 60+ students coding knowledge by answering questions in lecture/lab and explaining and difficult **object-oriented programming** concepts in Python

## PROJECTS AND ORGANIZATIONS

Clemson FinTech

May 2024 - Current

*Treasurer/Developer*

- Aiding students to explore and engage with financial technology through workshops, networking events, and startup projects
- Responsible for managing and budgeting \$1,000+ in sponsorships from various financial technology institutions
- Establishing a software development team which helps students create and program full-stack financial-based projects

Alien Invasion

June 2023 – July 2023

*Python | Pygame | Visual Studio | [GitHub](#)*

- Designed and developed an interactive Space Invader-style game using the **Pygame** library in **Python**
- Showcased creativity by designing alien characters, user-controlled spaceship, and dynamic backgrounds
- Incorporated difficulty scaling mechanisms to provide an evolving and challenging gameplay experience
- Ensured smooth user interaction through responsive controls and real-time game updates