Grace Gillam

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Computer science student with skills in Java, C, Python, full stack development and RESTful APIs, SAChE safety certified, seeking full-time employment starting May 2025. Chemical engineering background.

Education

Virginia Commonwealth University, Richmond, VA   Expected Graduation: May 2025

Bachelor of Science in Computer Science   Major GPA: 3.64

Skills

Programming: Java, C, Python, MATLAB, VBA for Excel, Angular, HTML, CSS, Bootstrap, JavaScript, LC-3 Assembly, Spring Boot, JUnit, Docker, React,

Technical: LaTeX, IntelliJ, VS Code, GitHub, GitLab, API Dog, Aspen Plus, Linux (Ubuntu), Logisim, Scrum

Soft: Teamwork and effective project communication, time management and prioritization, fast learner, adaptable

Relevant Experience

XR Medical Assistance Research Lab, Virginia Commonwealth University, Richmond, VA   August 2024 – May 2025
- Currently developing a web client for secure and simple PCP-to-Specialist video conferencing and will soon be transitioning to IOS client development; will be implementing VR support with Apple Vision Pro in the future
- *React, Docker, Swift, vision OS, Unity*

DoD Senior Capstone, Virginia Commonwealth University, Richmond, VA   September 2024 – May 2025
- Sensor data fusion and algorithm development

Full Stack Software Engineering Intern, Estes Express Lines, Richmond, VA   June 2024 – August 2024
- Collaborated, using scrum, with a team of six other interns to build an SMS text messaging web application for internal use at Estes, which allowed terminal clerks to send SMS messages via Twilio to residential customers for delivery appointment scheduling; successfully deployed for use at the end of the internship
- Shadowed an established professional scrum team
- *Spring Boot, Angular, Selenium, Bootstrap, Docker, API Dog, GitLab, Agile Scrum, REST APIs, Twilio, H2 Databases, Mockito, Dependency Injection*

Lab Research Assistant, Hampden Sydney College, Farmville, VA   May 2022 – July 2022
- Synthesized the TMD of the SARS-CoV-2 e-protein, then attached fluorophores and performed spectroscopy assay to determine oligomerization state and inform future research for membrane disruption
- *Lab etiquette, research presentation, HPLC/LCMS, academic paper-writing, project documentation*

Courses in Progress

Programming Languages | Databases | Cryptography | Combinatorics | Statistics | Senior Design Studio

Relevant Courses

Programming for Chemical Engineers 1 – *Introduction to Java, Python, VBA for Excel, MATLAB*

Computer Systems – *Ubuntu Linux and working with the Bash shell, learning C, building a shell from scratch*

Computer Organization – *Binary, logic design, data paths, memory hierarchy, instruction set architecture*

Computing and Data Ethics | Calc 1, 2 | Mathematical Reasoning | Discrete Math | Calculus-Based Physics 1 | Fundamentals of Software Engineering | Theory of Computation | Algorithm Analysis | Data Structures and OOP

Personal Projects

Personal Portfolio Website   December 2023 – Present
- Designing and coding a customized website to promote and showcase my abilities and projects – learning HTML, CSS, and JavaScript from scratch to produce interactive text, cursor, and webpage effects, external webpage integration, and user-friendly formatting and page navigation – sudoku web app in progress, aquarium database app in progress

Student Orgs and Other Work Experience

Training Team Climbing Coach, Peak Experiences, Richmond, VA   Oct. 2022 – March 2023

Front Desk Staff and Coach, Triangle Rock Club, Richmond, VA   Sept. 2023 – May 2024

Secretary of the VCU Climbing Club, Richmond, VA   Jan. 2023 – Jan. 2024