

Grace Gillam

(804)238-3147 • gillamga@vcu.edu • www.linkedin.com/in/grace-gillam • gracegillam.com

Software developer with skills in Java, C#, Typescript, Angular, React, SQL, full stack development and RESTful APIs; SACHe safety certified; Chemical engineering background

Education

Virginia Commonwealth University, Richmond, VA
Bachelor of Science in Computer Science

Graduated May 2025

Skills

Programming: Java, C#, jQuery, TypeScript, JavaScript, React, Angular, .NET, Python, SQL, Spring Boot, C, Node, Docker, LC-3 Assembly, JUnit, VBA, MATLAB, Syncfusion

Technical: Visual Studio, VS Code, Azure DevOps, Jira, SSMS, GitHub, GitLab, API Dog, Aspen Plus, Linux (Ubuntu), ArcGIS Online, Node, NVM, Logisim, LaTeX

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

Relevant Experience

Associate Software Developer, GFT (formerly Gannett Fleming), Richmond, VA May 2025 – Present

- Contributing to the expansion, maintenance, and improvement of two .NET applications by writing controllers, managers, and workflow logic; designing SQL stored procedures, triggers, TVFs; creating REST endpoints for document generation, data import/export from excel; investigating and rectifying long-standing application issues such as deadlocks and failed email logic
- Developing front-end Angular components and modules with reactive forms, two-way data binding, and API-driven validation logic to implement new user workflows and requested features; integrating front-end functionality with .NET endpoints
- Improving an ArcGIS Experience Builder application by integrating new ArcGIS REST Feature Layers for enhanced spatial data visualization; making editor-based widget additions and config alterations
- *ASP.NET, Web Forms, C#, jQuery, Typescript, Angular, NVM, SSMS, SQL, ArcGIS Online, NHibernate, Entity Framework, Mail Merge*

Full Stack Software Engineering Intern, Gannett Fleming, Richmond, VA January 2025 – May 2025

- Maintained and improved an old enterprise ASP.NET application; completed user request tickets for feature implementation and bug fixes
- Worked on rebuilding a cargo geolocation tracking application with Angular; reduced code smells, performed dependency injection de-structuring
- *ASP.NET, Web Forms, C#, jQuery, Typescript, Angular, NVM, SSMS, SQL*

DoD Senior Capstone, Virginia Commonwealth University, Richmond, VA September 2024 – May 2025

- Developed a sensor data fusion algorithm using LiDAR and camera datasets; cleaned and processed the data, implemented a convolutional neural network, implemented fusion techniques
- *TensorFlow, PyTorch, Linux, Python, C*

XR Medical Assistance Research Lab, Virginia Commonwealth University, Richmond, VA August 2024 – May 2025

- Developed a web client for secure PCP-to-Specialist video conferencing; participated in IOS client development
- Built and deployed a promotional website for Dr. Rodrigo Spinola using a React-based site generator; created custom procedurally generated graphics with p5.js
- *React, Node, Docker, Swift, Typescript, JavaScript, Vercel*

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 and experienced day-to-day operations
- *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; determined oligomerization state with spectroscopy assay
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Relevant College Courses 2022-2025

Fundamentals of Software Engineering | Theory of Computation | Algorithm Analysis | Data Structures and OOP | Computer Systems | Computer Organization | Programming Languages | Databases | Introduction to Cryptography | Programming for Chemical Engineers | Computer and Network Security | Natural Language Processing | Data Communication and Networking | Operating Systems | Senior Design Studio | Intro to Biological Science I and II | Intro to Biological Science Lab I and II | General Chemistry I and II | General Chemistry lab I and II | Chemical Engineering Fundamentals I | University Physics I
