Grace Do

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EDUCATION

University of Virginia   Charlottesville, VA
*BA in **Computer Science** and **Media Studies**, Minor in Studio Art*   *Aug. 2021 – Dec. 2024*
- Cumulative GPA: **3.85 / 4.0**, Dean's List (all semesters)
- Echols Scholar (awarded to 5% of students per incoming class)
- Relevant Coursework: Data Structures and Algorithms, Computer Systems and Organization, Human-Computer Interaction, Discrete Math and Theory, Introduction to Cybersecurity, Software Development Essentials

EXPERIENCE

Software Engineer II   Feb. 2025 – Present
Walmart Global Tech   *Sunnyvale, CA*
- Spearheaded the development of a containerized **Flask-based web service** using **Python** to automate internal data classification and embed information security solutions within collaboration platforms
- Optimized data and task processing during **back-end** database queries and API calls through the integration of asynchronous semaphore concurrency control, chunked task execution, and parameterized SQL
- Streamlined enterprise Atlassian workflows by creating custom **REST API** endpoints with **Groovy** scripting and integrating them with proprietary plugins

Software Engineer Intern   Jun. 2024 – Aug. 2024
Walmart Global Tech   *Sunnyvale, CA*
- Enhanced a **full-stack** web application that facilitated collaboration and oversight between leadership and developers, boosting company-wide efficiency and visibility
- Contributed in an Agile environment using **TypeScript, React, and Spring Boot**, while maintaining high code quality through thorough unit and integration testing
- Developed endpoints and integrated them with micro-frontends using **Redux Toolkit** queries for state management, while adhering to a custom **Figma** design system

Teaching Assistant   Aug. 2022 — Dec. 2022
Department of Computer Science at UVA   *Charlottesville, VA*
- Conducted weekly office hours and lab sessions under Professor Hott for CS 2130: Computer Systems and Organization I, supporting over 600 students in mastering **Git, x86 Assembly, and C/C++**
- Completed additonal **teaching** course focused on grading ethics and effective **feedback techniques**, enabling consistent, constructive support throughout the semester

PROJECTS

Website Portfolio | *TypeScript, React, Bootstrap, jQuery*   June 2020 – Present
- Showcases web development skills and personal projects, serving as a platform for experimenting with **front-end** frameworks, design patterns, and **UI/UX**
- Ongoing project available at **https://gracedo.vercel.app**

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, TypeScript, Shell Scripting, HTML/CSS, SQL, C/C++, C#, Lua, Groovy
Frameworks/Libraries: React, Spring Boot, Flask, Redux, jQuery, Bootstrap, Vue
Developer Tools: Git, Vim, Node.js, Postman, Jira/Confluence, Storybook, LaTeX, Figma, Autodesk Maya, Unity
Certifications: Microsoft Azure Fundamentals, CPR/AED for Professional Rescuers

LEADERSHIP

Vice President, External | *alpha Kappa Delta Phi, Sigma Chapter*   May 2024 – Dec. 2024
Director of Social Media | *V Magazine @ UVA*   Aug. 2023 – Aug. 2024