

LAYLA SCOTT

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EDUCATION

Virginia Tech

Bachelor of Science in Computer Science

GPA: 3.69

PROFESSIONAL EXPERIENCE

M.S. Research Assistant

REACH Lab, Virginia Tech

Aug 2024 – Present

Qualitative Quantitative Data Collection IRB and Research Protocols Mentoring Literature Review

- Lead and mentor an undergraduate student on a digital humanities project, to meet project goals in a timely manner.
- Create and managed IRB and research protocol methods for ethical research practices.
- Conduct literature reviews, collaborate with international researchers, and co-author scholarly papers.
- Develop strong communication and project management skills to guide research effectively.

Software Engineering Intern

Tridium

Jun 2024 – Aug 2024

Agile Development TDD JavaScript Niagara Framework Technical Certification Program (TCP)

- Collaborated in an agile environment, participating in daily stand-ups and 2 week sprints.
- Developed user interfaces (UI) for the Niagara 4 platform.
- Contributed 2 custom field editors to customer-facing project.
- Acquired in-depth knowledge of the Niagara framework, achieving a Technical Certification.

Mobile Developer & Research Assistant

ACLS Digital Justice Seed Grant

Jan 2023 – Present

Google Flutter Project Management Leadership Technical Communication

- Student Technical Lead for the Mobile Development Team
- Provide expert opinion in collaboration with faculty and students, programming a user-friendly app.
- Conducted qualitative research to develop in-depth user stories and conducted usability tests to determine successful UX functions for a mobile app under a \$25K budget

PROJECTS

Micromouse

[Simulation](#) </>

- Developed a maze solving simulation using JavaScript, which employs Flood Fill and DFS algorithms.

100 Questions App

[Download](#) ⬇️

- iOS Mobile Application developed through undergraduate research, to assist immigrants in studying for their naturalization civics test.

COMMUNITY INVOLVEMENT

Society of Women Engineers Member

Education Outreach Committee

Oct 2021 – Present

- Addressed over 50 girl scouts by presenting thought-provoking insights on the need to demystify gender-based technology biases, boosting participation of girls in computer science.
- Devised innovative strategies to engage and empower young women in the field of STEM.

Peer Mentor

Center for the Enhancement of Engineering Diversity

Apr 2023 – Dec 2023

- Mentor first-year engineering student to ease their transition to college.
- Design and implement workshops and events focused on developing leadership skills, fostering community, and promoting academic success among mentees.

SKILLS

Programming: Dart, JavaScript, Java, HTML, CSS, C, Python, Swift

Environments: IntelliJ, Android Studio, Eclipse, VS Code, Xcode, Figma, Balsamiq

Behavioral: Leadership, Public Speaking, Time Management, Relationship Building