

Jacob Hobbs

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EDUCATION

University of Virginia, College of Arts and Sciences, Charlottesville, VA **May 2025**
Bachelor of Arts in Computer Science and Women, Gender, and Sexuality Studies
Grade: 3.91/4.00 Minor: *Mathematics* Concentration: *Sexuality Studies (WGS)*
Honors: *Echols Scholar, Lawn Resident (2024-25)*

SKILLS SUMMARY

Skilled & Personable Researcher and Software Developer

- Significant project experience with TypeScript/JS, React, Node.js, Java, Go, C#, SQL, PHP, Python, Terraform
- Also worked with: Elasticsearch, Datadog, Django, C++, TensorFlow Keras
- Substantial experience with public speaking, teaching, and peer-to-peer leadership

EXPERIENCE

CoStar Group – Arlington, VA **July 2025 – present**
Associate Software Engineer

CoStar Group – Washington, DC **June 2024 – August 2024**
Software Engineering Intern (DevOps)

- Implemented and deployed an in-house Terraform provider, standardizing CoStar cloud resource management and allowing engineers to more efficiently access and manage metadata information
- Used Go to make the provider, Terraform for testing/usage, and YAML + Azure for CI/CD pipelines
- Worked on an Agile DevOps team and presented the provider to CoStar executives

CoStar Group – Richmond, VA **June 2023 – August 2023**
Software Engineering Intern

- Completed a Full Stack micro-frontend application for the Marketing Automation team, which was deployed to production and is still actively used by CoStar developers
- Used TypeScript, React, Node.js, C#, and SQL along with services like Elasticsearch and Datadog to create a 'System Admin' dashboard, allowing developers to monitor and edit active contact enrollment processes
- Worked on an Agile development team and presented my application to CoStar executives

University of Virginia – Charlottesville, VA **August 2022 – May 2025**
Head Teaching Assistant, Data Structures and Algorithms I

- Lead 50+ TAs and am the main point of contact for the (on average) 500 students enrolled in the course
- Directly work with the instructor to create creative programming assignments and engaging lectures
- Lead 2 hours of lab and 4 hours of office hours per week, along with TA planning sessions
- Guest lectured 12+ times in lieu of the instructor

Freelance Website Manager – Charlottesville, VA **January 2023 – May 2024**

- Meet weekly with John D'earth, head of UVA Jazz Performance, to maintain his personal website and offer various technological advice

RESEARCH

Undergraduate CS Distinguished Majors Thesis **August 2024 – May 2025**

- Title: *"Theories of 'Sexuality' in Natural Language Processing Bias Research"*
- Awarded *High Distinction* by faculty committee
- Presented at the Queer in AI Workshop at NeurIPS (2025)

AWARDS

- The John A. Herring Scholarship for Social Awareness** **May 2025**
- Awarded by The UVA Queer Alumni Network to a student that “demonstrates leadership, citizenship, and fellowship and have actively supported, through volunteerism and advocacy, the LGBTQ Center at UVA.”
- Louis T. Rader Undergraduate Teaching Award - Top Honors** **April 2025**
- Awarded by UVA CS Department for “exceptional achievements in teaching”
- UVA Queer Alumni Network Wavelength Scholarship** **April 2024**

RELEVANT COURSEWORK

Machine Learning, Artificial Intelligence, Programming Languages for Web Apps, Advanced Software Development Techniques, Computer Architecture, Queer Theory, Sex and Resistance on the Internet, Transnational Feminism(s)

INVOLVEMENTS

- WXTJ Student Radio, Co-Director & Radio DJ** **October 2021 - May 2025**
- Manage UVA’s student-run radio station, including DJ programming, website management, event direction, and community engagement
 - Main point of contact for our 120+ DJs and over 250 active members
 - Host the Thursday night radio show “tall guy bops”
- oSTEM @ UVA, Events Director** **October 2024 - May 2025**
- Coordinate all events put on by UVA’s chapter of Out in STEM, a non-profit organization of queer STEM leaders
 - Attended the 14th Annual oSTEM Conference in Portland, Oregon.
- College Council, WGS Department Representative** **August 2024 - May 2025**
- Represent the Women, Gender, and Sexuality Studies department on the College Council, UVA’s College of Arts and Sciences governing body.
 - Secured over \$800 for WGS department events, in addition to representing WGS interests
- LGBTQ+ Center, Volunteer** **August 2023 - May 2025**
- Staff the LGBTQ+ Center each week, greeting visitors and assisting with queer-centric events

INTERESTS

Machine Learning & AI Ethics (specifically relating to queer interests), Equity in Tech Spaces, Web Development, College Radio, Musical/Queer-centric Event Coordination, Queer Activism/Education