

Ellen Hart

Reston, VA

ellen.hart@richmond.edu, 703-772-0319

<https://www.linkedin.com/in/ellen-hart/>

EDUCATION

University of Richmond, Richmond, VA

Expected May 2026

Bachelor of Science in Computer Science, Minor in Mathematics, Minor in Visual and Media Arts Practice

- **Relevant courses:** Discrete Structure, Data Structures, Chinese 201, Multi-Variable Calculus, Digital America Journal Design and Production, Software Systems, Computer Organization
- **Teaching Assistant,** Computer Science 150 (August 2024 - Present): Partnered with professor in teaching foundational computer science concepts to beginning students, providing hands-on lab support and feedback.

H-B Woodlawn Secondary Program, Arlington, VA

May 2022

Highschool Diploma

- Honors: MTA: Intro to Programming Using Python (Certified by Microsoft - 2021) and National Honor Society

EXPERIENCE

Research Assistant, University of Richmond, Richmond, VA

September 2023 - Present

- Assist in creating a robust thesis statement by reviewing over 40 articles in the fields of computing and education.
- Refine goals for African computer science education through discussions, identifying three impactful strategies.
- Review 25+ CHI (Conference on Human Factors in Computing Systems) articles' adherence to accessibility rules.
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Software Engineer Intern, Genesys, Remote Work

May 2024 - August 2024

- Implemented automated testing for the front end using **Selenium** and **Cucumber**, enhancing testing efficiency.
- Leveraged **Git** commands for version control, collaborated effectively with team members on code reviews.
- Utilized **IntelliJ** to refine tests, performed bug detection that improved product reliability and performance.

Junior Frontend Developer and QA Tester, Relai Inc, Richmond, VA

June 2023 - August 2023

- Conducted UX research for template designs, and contacted 600 businesses for user-focused wireframes.
- Developed a full-stack software architecture using **JS**, **HTML**, **Node.js**, and **React** for their new mobile app.
- Enhanced app functionality by integrating multiple APIs, resulting in a 25% increase in user engagement.

LEADERSHIP & ACTIVITIES

Career Chair, Association for Computing Machinery | University of Richmond, Richmond, VA

January 2024 - Present

- Facilitates career-focused events and workshops, including a LeetCode crash course and Fintech insights.
- Collaborate with the co-career chair for efficient task distribution and host a successful event execution.
- Lead early semester planning sessions to allocate resources for hosting impactful workshops, talks, and events.

Member, Alpha Phi Omega | University of Richmond, Richmond, VA

September 2022 - Present

- Engage in over 25 hours of community service across the Richmond area each semester.
- Participate in diverse volunteer initiatives, specifically offering companionship, support, and assistance to retirees.
- Leads a group of 15 volunteers for multiple community service events and clearly relayed the plan to others.

President, Yearbook | HB Woodlawn Secondary Program, Arlington, VA

September 2018 - June 2022

- Oversaw team and ensured deadlines were met to be able to submit to final print on time within seven months.
- Developed the yearbook layout, helped curate the color and theme, and created over 50 pages from scratch.
- Organized weekly Yearbook team meetings for content and design input; supervised staff elections.

SKILLS AND INTERESTS

Skills: Adobe Photoshop, Final Cut Pro, Chinese, Wireframing, Python, Java, JS, XCode, HTML, WordPress, Trello, Git, C++, QA, Data Structures, Algorithms, Cucumber, IntelliJ, Selenium

Interests: Running, Baking, Painting, Reading, Chess, Delta Delta Delta, Fashion, Music