Olivia Chan

EDUCATION

Virginia Tech
Master of Engineering in Computer Science & Applications — *Expected May 2026*
Bachelor of Science in Computer Science — *Expected May 2025*
Minors in Human Computer Interaction and Mathematics, GPA: 3.80

SKILLS

Languages: Java, HTML, CSS, TypeScript (React, Material UI), JavaScript, SQL (MySQL, PostgreSQL), Go, C
Tools: VS Code, Eclipse, IntelliJ IDEA, WebStorm, Linux, Git, AWS CodeCommit, Davinci Resolve, Figma, Postman
Technologies: REST APIs, Express.js, Node.js, MongoDB, Servlets, Jakarta Server Pages (JSP)

PROJECTS

Beyond the Books | *HTML, CSS, TypeScript, React, MySQL, Servlets, JSP* — Aug 2024 – Dec 2024
- Developed a data-centric online bookstore that includes session handling, database management, and user history.
- Use REST APIs and the data access object (DAO) pattern to create dynamically-generated web content.

BlossomDB | *React, JavaScript, MySQL, Express.js, Node.js* — Aug 2024 – Dec 2024
- Implemented a UI which allowed a user to perform create, read, update, and delete requests to the SQL database.
- Limited access to different UI components and database requests depending on the users role.

EXPERIENCE

Galipatia Leadership Team Senior Committee Liasion — May 2024 – Present
Center of the Enhancement of Engineering Diversity — *Blacksburg, VA*
- Explore areas of professional developments for students, as intended engineers, with a focus on topics of diversity.
- Manage 4 different committees, helping to coordinate events within the Galileo and Hypatia LLC.

Software Development Intern — Jun 2024 – July 2024
SimonComputing — *Alexandria, VA*
- Participated in an Agile team to complete web-based applications using Go and React with TypeScript.
- Collaborated with a team of 12 interns to plan, design, and develop web applications.
- Utilized a variety of current technologies related to full-stack development (ex: React, Go, PostgreSQL).

Web Design Intern — May 2023 – May 2024
Virginia Tech Carilion School of Medicine — *Remote*
- Migrate website content to new content management system (WordPress to Adobe Experience Manager).
- Organize and display content to improve user experience, discussing design implementations with a team of 5

Undergraduate Teaching Assistant — Jan 2024 – May 2024
Virginia Tech Computer Science Department — *Blacksburg, VA*
- Assisted students, through office hours, with coursework and aided in development of assignments.
- Worked side-by-side with the professor and TA's to monitor online course forums and address student's concerns.

LEADERSHIP

President — May 2024 – Present
Club Jump Rope at Virginia Tech — *Blacksburg, VA*
- Work with the other officers to maintain the organization's documentation and finances.
- Make progress in community outreach, and continue to develop organization recruitment and member retention.

UX Lead — Feb 2024 – Sep 2024
VTHacks — *Blacksburg, VA*
- Lead a team to plan, design, and schedule engaging workshops and fun mini events throughout the hackathon.
- Maintain engagement with other student organizations through collaborative workshops.