

Olivia Chan

EDUCATION

Virginia Tech

Master of Engineering in Computer Science & Applications

Expected May 2026

Bachelor of Science in Computer Science

May 2025

Minors in Human-Computer Interaction and Mathematics, GPA: 3.82

SKILLS

Languages: Java, HTML, CSS, TypeScript (React, Material UI), JavaScript, SQL (MySQL, PostgreSQL), C++, C, Go

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

Bun Appetit | *Django, Python, MySQL, Unity*

Jan 2025 – May 2025

- Developed a mobile app to transform cooking into a collaborative, gamified experience for distant family members.
- Responsible for creating the database and API calls for managing recipes, user information, and meal preparation tasks.

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.
- Integrated REST APIs and the data access object 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.
- Established limited access to different UI components and database requests depending on the users role.

EXPERIENCE

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 React, Go, and PostgreSQL to develop a user management system.

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

LEADERSHIP

Galipatia Leadership Team Senior Committee Liaison

May 2024 – May 2025

Center for the Enhancement of Engineering Diversity

Blacksburg, VA

- Co-lead weekly leadership meetings to provide guidance and support to a team of 20 students.
- Manage 4 different committees, helping to coordinate events within the Galileo and Hypatia Living Learning Community.

President

May 2024 – May 2025

Club Jump Rope at Virginia Tech

Blacksburg, VA

- Work with the officers to maintain the organization's documentation and finances.
- Increase engagement in community outreach, and continue to establish organization recruitment and member retention.