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Junior Computer Science major with a strong foundation in software development, cloud computing, and mobile applications. Proficient in Java, React.js, and Swift, with a proven track record of delivering impactful web and mobile solutions for diverse user bases. Familiar with concepts such as CI/CD, collaboration, RESTful API, agile development and the software development lifecycle (SDLC).

Education

Virginia Tech, Blacksburg VA | *Expected graduation May 2026*
- ❖ Bachelor of Science | Computer Science concentrated in Software Engineering

Leadership

Co-Founder | Treasurer and Web Developer | Ascend at Virginia Tech

November 2024–Present
- ❖ Co-founded a professional development club, collaborating with 4 peers to establish goals, structure, and outreach initiatives, now looking to support over 30 members.

Developer Experience

Web Developer | Ascend at Virginia Tech | *(Utilized) AWS, Reactjs, Express, Docker*

November 2024–Present
- ❖ Built a dynamic website using React.js to display data fetched via 100+ API calls/day to an Express server hosted on an AWS EC2 instance.
- ❖ Designed a scalable backend architecture where the Express server retrieves and updates data stored in a MySQL database within a Docker container on a separate EC2 instance.
- ❖ Leveraged AWS services, Docker, and CI/CD pipelines to ensure high availability and efficient deployment of the web application.

Web Developer |Filipino American Student Association | *(Utilized) Reactjs*

June 2023–Present
- ❖ Developed and deployed a responsive web application for 150-200 members using React.js and Material-UI to serve as the central hub, providing up-to-date information on events, forms, photos, and videos, fostering engagement and a community

Software Developer |Personal Project | *(Utilized) Flutter, Firebase*

July 2024–December 2024
- ❖ Architected and implemented 100% real-time data synchronization with Firebase, enhancing user engagement and data consistency.
- ❖ Integrated OpenID Connect using Google and Apple for sign-up and sign-in authentication.

iOS Developer | Personal Project | *(Utilized) Xcode, Swift, MapKit*

November 2024–November 2024
- ❖ Utilized MapKit to display business locations enabling users to get directions 80% of the time..
- ❖ Developed an intuitive interface for initiating phone calls directly from the application, enhancing usability and convenience while achieving a 30% increase in user interactions compared to previous features implemented.
- ❖ Delivered a seamless and intuitive user experience by combining 3 different API's, native iOS features, and a clean, responsive interface.

Cloud Web Developer | Personal Project | *(Utilized) Java EE, MySQL, WildFly, Yelp Fusion API*

November 2024–November 2024
- ❖ Deployed a responsive Java EE web application hosted on Amazon EC2, leveraging RESTful API practices to integrate Yelp Fusion API
- ❖ Ensured enhanced data protection by 70% through two-factor authentication for user account creation and sign-in.

Languages: Java, Swift, Dart, C#, Python, JavaScript, HTML, CSS,
Tools and Framework: AWS, Docker, Express, React.js, Flutter, Java EE, Material-UI, Express, Node.js, WildFly, Firebase, MongoDB, MySQL, Git, GitHub, GitLab, Google Cloud, Xcode 16, Figma, Vercel, JIRA, CI/CD, Cloud Software Development, Mobile Software Development, Data Structures and Algorithms, Computer Organization