

Tri Luu

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Education

Stevens Institute of Technology, Hoboken, NJ

Expected End Date: Dec 2024

Major: Bachelor of Science in Computer Science

Relevant Coursework: Concurrent Programming, Systems Programming, Machine Learning, Data Mining

Technical Skills

Languages JavaScript, TypeScript C#, Python, C#, SQL, HTML, CSS, Bash

Software & OS Microsoft Office 365, Unix Based Operating System(Linux Mint, Ubuntu Server, MacOS), Jupyter Notebook, Postman, LaTeX, GDB

Technologies React.js, Node.js, .NET, Firebase, AWS, PostgreSQL, MongoDB

Work Experience

R&D Engineer Intern, Motion Control Engineering

Jun 2023 - Aug 2023

- Executed an optimized engineering request automation system, contributing to a 40% reduction in communication overhead and a 53% uplift in site performance by minimizing manual procedures, utilizing tools such as Microsoft Azure, Office 365, GraphQL, and RESTful APIs, successfully automating tasks previously managed by two administrators.
- Developed a machine learning engine proficient in failure analysis studies derived from Excel data format, primarily using Python as the scripting language.
- Engineered a .NET add-in library using C# and Starteam SDK for Excel, tailored to automate aspects of the software Test Plan process, effectively reduced the technical workload of the Testing team by 30%.

Software Developer Intern, The Bubble

Dec 2022 - Apr 2023

- Reduced development time by 40% and improved site performance by 30% by streamlining a full-stack responsive website
- Collaborated with the product development team to design and deploy a call-to-action website using ReactJS, Bootstrap, and TailwindCSS, resulting in 5 new contracts within the first 3 months in the competitive NYC B2B market.
- Increased user satisfaction by 76% by developing and implementing REST APIs with NodeJS and MongoDB for real-time communication and monitoring of security status.

Web Developer Intern, Duc Tai Audio

Feb 2021 - Aug 2021

- Maintained an E-commerce website with a 98% accuracy rate in product listings and sale notifications, utilizing jQuery to ensure a seamless user experience
- Improved code coverage by 25% by developing and executing comprehensive unit tests for backend services.

Projects

Fitness Social App [Link to Project](#)

- Worked in a team of three to design and build a full-stack physical exercise tracking application incorporating social networking functionalities.
- Employed JSON Web Tokens (JWT), Express.js, and Passport.js middleware to implement a stateless and scalable authentication mechanism.
- Engineered essential features such as user login, ability to post/delete posts, sharing functionality, comments, likes, recommendations, statistical analysis, and group interactions.

Stevens Vanguard (HTML, CSS, Javascript, Figma, UI/UX design, MongoDB)

- Developed an honor system report web application following the Stevens Code of Conduct, utilizing Javascript, HTML, CSS, and MongoDB. This user-friendly solution enables users to report violations efficiently, enhancing the overall Human-Computer Interaction experience.