

TUAN CUONG NGO

Fairfax, VA

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EDUCATION

B.S IN COMPUTER SCIENCE (GPA: 3.9 / 4.0)

Graduated 2022

- **Virginia Tech** (Blacksburg, VA)
- **Programming Skills & Technologies:** Java, JavaScript, HTML, CSS, Python, Node.js, Express, MongoDB, React, Bootstrap, AWS, Linux, Git Version Control
- **Relevant Courses:** Data Structures & Algorithms, Software Design & Data Structures, Software Engineering Capstone, Mobile Software Development

EXPERIENCE

Associate Software Engineer (DevOps) | U.S News

August 2022 - Present

- Plan and execute server & application migrations to Amazon Web Services (AWS) cloud, enabling 20% cost reduction
- Improve application issue detection and resolution time by developing Python Lambda functions with a 99.95% uptime that monitor services and instantly notify stakeholders of problems via SMS
- Configure CloudFormation templates and CI/CD pipelines used by 130+ developers through infrastructure as code to efficiently automate testing and deploying updates to multiple apps and AWS resources

Computer Science Teaching Assistant

August 2021 - December 2021

- Conduct office hours (10 hours/week) to answer course concept questions in problem solving techniques, data structures & algorithms, Java programming, and the software development process
- Assist professors in delivering lectures and facilitate active group discussions in a class of 60 students
- Grade and provide individualized feedback on students' code and homework to ensure comprehension and progress

Virginia Tech Computer Science Ambassador

August 2021 - August 2022

- Represent the Virginia Tech Computer Science Department on a 15-person team of Student Ambassadors
- Organize and facilitate student information sessions, career fairs, and other departmental events
- Provide feedback and insight from the student perspective at quarterly Departmental Faculty meetings

PROJECTS

GlobeXplorer WebApp

March 2023 - Present

- Develop a travel WebApp with secure user authentication that allows travelers to add reviews of their destinations on an interactive 3D map of the world from the Mapbox API
- Create a RESTful API back-end using Node and Express to handle front-end requests and interact with MongoDB database through Mongoose
- Implement React Toastify library on the front-end to efficiently display customizable notifications to users

FitLog WebApp

October 2022 - Present

- Manage an Agile team of 3 to develop a [fitness WebApp](#) that allows users to record and share gym progress within their community
- Implement a JavaScript backend using Node.js and Express, combining with EJS templating, HTML, and Bootstrap CSS for efficient front-end display of back-end data
- Utilize tools such as AWS EC2 to host live WebApp, GitHub for version control, and Jira for project management, to follow best development practices