George Varghese

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Education

University of Houston, Houston, Texas   May 2025
Bachelor of Science, Computer Science   Overall GPA: 3.4

Experience

HCSS, Software Engineer Intern   May 2024 - Present
- Collaborated in a team of 6 developers to enhance the company's website, utilizing technologies such as SQL Azure, React, JavaScript, C#, and frameworks like Entity and .NET.
- Worked with various SQL databases to create queries that updated information on the main site and user subscriptions, ensuring email templates displayed accurate information.
- Worked on a variety of client-side and server-side bugs, ranging from meticulous TypeScript changes to fix submit button issues to debugging and resolving API malfunctions in C#.
- Engaged in the software development pipeline, successfully deployed updates and changes to the development environment, resolved comments on Azure, and ultimately released them to the production environment.
- Managed projects using JIRA, and implemented agile methodologies including SCRUM and KANBAN, among others, to ensure efficient workflow and project completion.

Projects

Expense Tracker, Personal Project   December 2023
- Developed a full-stack application using React and Firebase that enables users to monitor their daily expenses through personalized accounts
- Ensured secure user access with Gmail-based authorization, implemented Firebase real-time database for efficient spending record storage, and hosted the application on Firebase Hosting for seamless accessibility
- Demonstrated proficiency in version control using GitHub, Node.js, and React, fostering a collaborative development environment

Leadership

Code Coogs Team Lead   September 2023 - December 2023
- Chosen as a team leader for a semester-long project, I lead a group of students in developing a sophisticated chatbot. The project aimed to enable real-time communication for multiple users, allowing them to engage in seamless conversations with their friends.

SASE Campus Outreach Intern, Society of Asian Scientists and Engineers   December 2022 - June 2023
- Collaborated with officers and various campus clubs to organize networking events, fundraisers, and other activities for a collegiate chapter of 100+ members, aimed at helping students improve their hardware and software skills and broaden their connections

Code Ninjas Summer Camp Instructor   July 2023 - August 2023
- Worked in various STEM related summer camps, explained complex topics involving robotics, circuits, and coding to 30 new students every week, aged 10 - 16 and engaged in hands-on activities. These experiences allowed me to learn to think quickly on my feet when challenges arose while still maintaining the expectations of the parents and the students

Technical Skills

Coding Languages: C++, Python, MATLAB, JavaScript, HTML, CSS, Visual Studio, MS Office, SQL, Azure, C#
Certifications: Comp TIA IT Fundamentals, MTA: Introduction to Programming Using Python
Libraries and Frameworks: React, NodeJS, Express
Work Eligibility: Eligible to work in the U.S. with no restrictions