Chuong Tran

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Experience

Infodat   Houston, TX
Software Developer   January 2024 – Present

- Contributed to a 32% increase in user base and an 18% rise in purchases through the maintenance and enhancement of a web application.
- Improved user satisfaction by 15% by building dashboard widgets with TypeScript and Java to deliver key insights.
- Reduced chart implementation time by 70% through contribution of reusable D3 components to an open-source library, enabling faster integration across internal tools.
- Built backend features for integration with a third-party RFID-enabled cabinet, enabling real-time inventory tracking and improving stock accuracy.
- Cut item onboarding time by 50% by developing fault-tolerant system integrations and optimizing backend processing pipelines.
- Maintained system stability and performance by debugging and resolving issues through detailed code analysis and troubleshooting.

Software Developer Intern   May 2023 – December 2023

- Shipped 5 production-ready features using Spring Boot and React within the first 10 weeks of onboarding.
- Maintained 80% test coverage through unit and integration testing, ensuring reliability and reducing bugs.
- Built a CI/CD pipeline with GitHub Actions to automate build, test, and deployment on AWS EC2, cutting release time and enabling continuous delivery.

University of Houston   Houston, TX
Teaching Assistant   August 2022 – May 2023

- Led weekly lab sessions for 50+ students, improving understanding of data structures and algorithms in C++.
- Designed over 20 hands-on coding challenges to reinforce concepts in recursion, sorting, tree, and graphs.

Projects

Job Scheduler

- Designed and implemented a dynamic cron-based job scheduler in Spring Boot with REST APIs to manage task registration, activation, and rescheduling at runtime.

Internship Recommender

- Implemented a recommendation system to match resumes with relevant job opportunities based on content similarity.
- Scraped 600+ internship listings using Selenium, automating the data ingestion pipeline for scalable analysis.

Brain Tumors Classification

- Achieved 91% accuracy on a dataset of 3,000+ MRI images using a ResNet50-based TensorFlow CNN model for tumor type classification.

Technical Skills

Languages: C++, C#, Java, JavaScript, TypeScript, Python, HTML, CSS, SQL.
Frameworks & Libraries: Spring Boot, Angular, React, Redux, Ember.js, Express.js, Node.js, .NET, REST API.
Developer Tools: Git, Postman, Azure, Docker.

Education

University of Houston   Dec 2023
Bachelor of Science in Computer Science, Minor in Mathematics, summa cum laude   *Houston, TX*