Chuong Tran

346-401-8929 | chuongtran2001@gmail.com | linkedin.com/in/chuongtran2001 | github.com/chuongtran01

Education

University of Houston Dec 2023
Bachelor of Science in Computer Science, Minor in Mathematics - GPA: 3.9/4.0 *Houston, TX*

- **Relevant Coursework:** Data Structures and Algorithms, Data Science, Artificial Intelligence, Object-oriented Programming, Operating Systems, Software Design, Database Systems, Statistics.

Experience

Infodat May 2023 – Present
Software Developer Intern *Houston, TX*

- **Technologies:** TypeScript, React, HTML, CSS, Jest
- Developed and maintained a web application to streamline internal assessment process, ensuring robust code quality and architecture.
- Achieved a 50% reduction in manual testing by implementing unit and integration tests utilizing Jest.
- Drove cross-functional collaboration using Git and Azure DevOps, enhancing team efficiency and project management.

University of Houston August 2022 – May 2023
Teaching Assistant — COSC-2436 Programming and Data Structures *Houston, TX*

- Designed and executed a comprehensive curriculum including hands-on programming activities and assessments.
- Facilitated lab sessions emphasizing practical application of data structures and algorithms in C++.
- Mentored and supported students in data structure concepts, improving test scores significantly.

Mainbridge Health Partners December 2022 – April 2023
Software Engineer Intern *Vietnam*

- **Technologies:** C#, ASP.NET MVC, Microsoft SQL Server, HTML, CSS
- Optimized patient and staff workflows and enhanced interdepartmental coordination efficiency by developing modular UI components.
- Developed key features like appointment booking, user authentication, and data reporting, emphasizing system robustness and analytical capabilities.

Projects

Brain Tumors Classification | *Python*, *TensorFlow*, *NumPy*

- Achieved a 91% accuracy in categorizing brain tumors by developing a machine learning model leveraging ResNet 50 architecture.
- Conducted comprehensive data analysis and engineering, including image preprocessing, feature extraction, and model validation, ensuring the reliability of classification system.

Amusement Park Website | *C#*, *ASP.NET Core*, *MySQL*, *React*, *HTML*, *CSS*, *Azure*

- Collaborated with a team of 5 to develop and deploy a web application for amusement park management.
- Led backend development and database design, ensuring high-quality code, and efficient data analysis, followed by deploying the application using Azure Web Services.

Data-Driven Cardiovascular Analysis and Insights | *R*

- Conducted extensive data analysis on a large healthcare dataset, utilizing machine learning techniques.
- Applied advanced statistical methods such as Logistic Regression, Decision Tree, providing insights into cardiovascular health outcomes.

Technical Skills

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

Awards

Dean's Distinguished Scholars Spring 2023
2nd in CodeRED Artemis 2021 Hackathon General Track. October 2021