

# CHUONG TRAN

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## EDUCATION

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**University of Houston**  
*Bachelor's, Computer Science*

**August 2019 - December 2023**  
*GPA: 3.9*

## EXPERIENCE

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### Infodat

*Software Developer*

**Houston, TX, USA**

*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.
- Boosted user satisfaction 15% by designing interactive dashboard widgets using TypeScript and Java, improving usability and engagement.
- Reduced chart implementation time by 70% by building reusable D3 components, contributing them to an open-source library, and accelerating integration across internal tools.
- Designed and implemented RESTful APIs for integration with an RFID-enabled cabinet, enabling real-time inventory tracking and improving stock accuracy.
- Built and integrated a Google Cloud Pub/Sub subscriber to filter and process category-based messages for item creation and modification, reducing processing time by 50% and improving system throughput.
- Ensured system stability and performance by debugging and resolving issues through detailed code analysis and troubleshooting.

### Infodat

*Software Developer Intern*

**Houston, TX, USA**

*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

*Teaching Assistant*

**Houston, TX, USA**

*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

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### Brain Tumors Classification | Python, Tensorflow, NumPy

- Achieved 91% accuracy in categorizing brain tumors by developing and training machine learning model using
- TensorFlow leveraging ResNet 50 architecture on dataset of 3,000+ MRI images.
- [Link to project](#)

### 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.
- [Link to project](#)

### Internship Recommender | Python, NLTK, Selenium, BeautifulSoup

- 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
- [Link to project](#)

## SKILLS

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**Skills:** Node.js, JavaScript, Git, HTML/CSS, Java, C/C++, MongoDB, MySQL, React.js, REST APIs, Python, MATLAB, TypeScript, Tensorflow, Selenium, Ember.js, .NET, Spring Boot, Angular, Docker, D3.js, Apache Kafka

**Languages:** Mandarin, Vietnamese, English