

# CHUONG TRAN

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## EXPERIENCE

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### Infodat

Houston, TX, USA

Software Developer

January 2024 - Present

- Developed and maintained a full-stack application using TypeScript and Java, delivering new features and performance optimizations that improved usability and reliability.
- Increased user satisfaction by 15% by building interactive dashboard components, enhancing engagement and productivity.
- Reduced chart implementation time by 70% by building reusable D3 components, contributing to an open-source library and accelerating integration across internal tools.
- Designed and implemented RESTful APIs for RFID-enabled cabinet integration, enabling real-time inventory tracking and improving stock accuracy.
- Boosted item processing workflow efficiency by 50% through implementation of event-driven microservices with Google Cloud Pub/Sub.
- Collaborated in an agile team, driving design discussions and conducting PR reviews to ensure high-quality releases.

### Infodat

Houston, TX, USA

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 tests, ensuring system reliability and reducing production bugs.
- Built a CI/CD pipeline with GitHub Actions to automate builds, tests, and deployments on AWS EC2, cutting release time and enabling continuous delivery.

### University of Houston

Houston, TX, USA

Teaching Assistant

August 2022 - May 2023

- Led weekly lab sessions for 50+ students and designed 20+ hands-on coding challenges in C++, reinforcing key data structures and algorithms concepts.

## EDUCATION

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### University of Houston

August 2019 - December 2023

Bachelor's, Computer Science

GPA: 3.9

## SKILLS

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

**Languages:** Mandarin, Vietnamese

## 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.

### Job Scheduler

- Designed and implemented a database-driven cron scheduler in Spring Boot, allowing dynamic task registration and rescheduling at runtime via RESTful APIs.

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

- Implemented a content-based recommendation system to match resumes with relevant job opportunities.
- Automated the ingestion of 600+ internship listings by developing a scalable web-scraping pipeline using Selenium and Python enabling large-scale data analysis.