NGUYEN TRAN

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Education

University of Rochester | Dec 2025
Bachelor of Science (B.S) in Computer Science - GPA: 4.00 | *Rochester, NY*
- **Coursework**: Database Systems, Data Structures & Algorithms, Artificial Intelligence, Computational Systems

Technical Skills

Languages: JavaScript, Java, Python, SQL (PostgreSQL), TypeScript, C, HTML/CSS, PHP, Golang
Frameworks: React.js, Springboot, Node.js, Express, Firebase, Rest APIs, Gin
Tools and OS: Git, MongoDB, Docker, Redis, Kubernetes, Amazon Web Services (AWS), Windows, Linux

Working Experience

ServiceNow | Jun 2024 – Aug 2024
Incoming Software Engineer Intern | *Santa Clara, CA*
- Security team, developing dashboard that will show vulnerabilities on NowPlatform, using Springboot & React.js

Beetsoft | Jul 2023 – Aug 2023
Software Development Engineer Intern | *Hanoi, VN*
- Implemented the API for "Golden Hours" function that increase revenue by 35% for a voting system using Springboot
- Streamlined the CI/CD process by building 18 graphs using Grafana integrating Prometheus, Docker, and SonarQube
- Deployed a notification scheme for the system, saving ∼$1,000 in server costs by using JHipster, Angular, and Postman
- Added the countdown and voting instruction feature for mobile view reaching 500,000+ users by Angular & TypeScript

FPT Information System | May 2023 – Jul 2023
Software Engineering Intern | *Hanoi, VN*
- Upgraded 2 API modules in base API repository of 40+ projects by PHP & PostgreSQL in Linux operating system
- Improved test coverage to 100% by performing unit testing for ∼ 30 API endpoints using Golang and Gin framework
- Designed the database schema for an internal time tracking tool using by 100+ employees in the company using SQL
- Set up Gitlab version control for a team of 5, gained exposure to Docker & Kubernetes, and engaged in Scrum activities

Hajim School of Engineering | Sep 2023 – Present
Teaching Assistant | *Rochester, NY*
- Managed instruction for 100+ students, grading 300+ assignments while running 2.5-hour weekly labs, offering expertise on Java, PHP, SQL, Database, and Data Structures and Algorithms, and leading over 28 groups in Agile-drive projects

Projects

PDF Chatbot (Github) | Aug 2023 – Nov 2023
- Composed the application UI with React in TypeScript and migrated AWS S3 to store 50+ PDF files for the chatbot
- Engineered the chatbot feature by applying LangChain & OpenAI embedding store in PineconeDB of 1,500+ dimensions

GeoGPT (Github) | Jul 2023 – Aug 2023
- Produced an automated travel plans generator website using Node.js, Express.js, and OpenAI API (GPT-3.5) backend
- Delivered a responsive and interactive world map of more than 250 countries using React.js, Leaflet.js, and GeoJSON

SportsReddit (Github) | Aug 2022 – Dec 2022
- Built a Reddit-like API for sports using Python, FastAPI, and PostgreSQL that support post, vote, comment, react
- Created unit tests for different features and RestAPI endpoints using Pytest, improving unit tests coverage to 80%

Campus Involvement

The Learning Center at UofR | Jan 2023 – Present
Tutor and Study Group Leader | *Rochester, NY*
- Improved grades by 20% for 25+ students through 8 weekly 1-1 Computer Science tutoring sessions and study groups with 15+ students in Discrete Math, covering over 20 concepts such as induction, combination, graphs, and algorithms

Google Student Developer Club (GDSC) | Sep 2022 – Present
Technical Lead | *Rochester, NY*
- Devised 6+ events with Tech Team about teaching new skills or presenting GDSC projects, attracting 1,000+ people
- Mentored and guided about 20 GDSC members throughout the projects and addressed concerns relevant to the process