

# NGUYEN TRAN

☎ 585-351-8173 ✉ [phucnguyentran79@gmail.com](mailto:phucnguyentran79@gmail.com) [in linkedin.com/in/phuc-nguyen-tran](https://www.linkedin.com/in/phuc-nguyen-tran) [github.com/phuc-nguyen-tran](https://github.com/phuc-nguyen-tran)

## 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:** Java, Python, JavaScript, 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

### 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

### University of Rochester

Oct 2022 – May 2023

*Undergraduate Research Intern*

*Rochester, NY*

- Collaborated in a team of 10 assisting Professor Alex Iosevich on a project to optimize locations of charging stations
- Explored & researched usage of reinforcement learning libraries (RLlib) and ML framework Tensorflow for the problem

### Hajim School of Engineering

Sep 2023 – Present

*Teaching Assistant*

*Rochester, NY*

- Courses: Database Systems (Spring 2024) and Data Structures and Algorithms (Fall 2023)
- Managed instructions for 100+ students and led ~ 28 Agile-drive full-stack projects using HTML, CSS, PHP, MySQL

## 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