

Huy Tran

Houston, TX • 832-898-3506 • huytrn35@gmail.com • in/hndt • github.com/HNDTr • hndtr.github.io/web | US Citizen

EDUCATION

Middlebury College – Middlebury, Vermont

May 2024

Bachelor of Arts in Computer Science, Minor in Chinese

GPA: 3.73 | Honors & Awards: Magna Cum Laude, Computer Science Departmental Honor, College Scholar

Relevant coursework: Computer Architecture, System Programming, Artificial Intelligence, Software Development

SKILLS

- **Programming Languages:** Python, Java, JavaScript, C, Bash, HTML, CSS, SQL
- **Frameworks and Databases:** React, Redux, Node.js, Express, jQuery, Bootstrap, NoSQL, PostgreSQL, MySQL
- **Tools:** Postman, Docker, VS Code, Eclipse, Firebase, Unix/Linux, MongoDB, Neon, JSX, AJAX, Jest, Git, GitHub
- **Concepts & Testing:** OOP, Web Dev, Distributed Systems, Full-Stack, SAAS, CI/CD, TDD, VCS
- **Languages:** English (fluent), Vietnamese (native), Chinese (professional)

EXPERIENCE

Middlebury College - Data Structures Course Assistant | Middlebury, VT

February 2022 – May 2024

- Achieved a 25% improvement in course grades by spearheading weekly tutor sessions for Java Programming, providing 8 hours of dedicated assistance per week to over 40 students
- Contributed to an increase in students' code quality and understanding of Java programming concepts by evaluating and grading weekly coding assignments and delivering comprehensive correction comments with valuable insights

Taiwan Mobile - Software Engineer Intern | Taipei, Taiwan

February 2023 – May 2023

- Conducted a ChatGPT performance evaluation for company-specific needs by conducting comprehensive testing using ChatGPT and Python with over 20,000 news articles
- Advanced research in NLP, NLU, NLG, and LangChain, utilizing Python as the primary tool for development
- Delivered enhanced functionality by implementing and integrating the ChatGPT API into multiple projects

PROJECTS

Recipe Realm - Web Developer

March 2024

- Designed seamless data management by developing a robust relational database with 5 schemas and 3 join tables
- Ensured secure user authentication by implementing Google authentication with NextAuth and JWT
- Led a team of 4 students to complete all sprint deadlines by implementing SCRUM methodology and agile practices
- Utilized: Javascript, SQL, React, VSCode, Node.js, Express, Jest, GitHub, MUI, Neon, Docker, Git, MySQL, NextAuth

Sentiment Analysis - Software Engineer

October 2023

- Accomplished test accuracy exceeding 70% for negative text and 90% for positive text
- Measured over 54,000 text files for program's performance using Naive Bayes classifier
- Utilized: Java, Eclipse

Travel Planner - Web Developer

July 2023

- Developed CRUD web application with user authentication by implementing JWT and bcrypt for password hashing
- Enabled user interaction by designing and deploying a RESTful API using Node.js and Express.js
- Installed, configured, and maintained NoSQL database systems using DML operation with MongoDB
- Utilized: Javascript, React, VSCode, Node.js, Express, Bootstrap, JWT, bcrypt, MongoDB, Postman, Git, APIs

LEADERSHIP & AFFILIATIONS

CodePath | Community Member | Remote

May 2024 – Present

EMERGE | Community Member | Houston, TX

May 2018 – Present

Vietnamese Student Association | Co-President | Middlebury College

August 2023 – May 2024

Student Ambassador | Ambassador | Middlebury College

May 2021 - May 2023