# JESSICA (TRAM) NGUYEN

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## EDUCATION

**Boston University**                                                                                                    Boston, MA
Bachelor of Arts, Computer Science                                                                              May 2026
- **Relevant Coursework**: AI/ML Principles, Data Structures & Algorithms, Computer Networks & Systems, Web Development, Database Management, Probability, Linear Algebra, Discrete Maths.
- **Awards**: Dean's List *all semesters*.

## EXPERIENCE

**Boston University Department of Computer Science**                                      Boston, MA
Teaching Assistant                                                                                          Sep 2023 - Present
- Facilitate weekly discussions on Probability in Computing for **60+** students, boosting conceptual understanding and problem-solving skills, with a **90%+** participation rate.
- Collaborate with Professor and **5+** faculty members to devise and refine **10+** problem sets and exams, enhancing course rigor and student performance.

**FPT Software Ho Chi Minh**                                                              Ho Chi Minh City, Vietnam
Software Engineer Intern                                                                                  Jun 2024 - Aug 2024
- Implemented an employee evaluation web tool with **ReactJS** and **Django** in a team of 5 interns, enabling managers to efficiently assess employees' performance.
- Enhanced software reliability by designing and executing unit tests, achieving **90%** code coverage and reducing potential bugs in production.
- Designed and optimized backend functionality by developing and testing RESTful API endpoints with **Postman** and managing databases using **Django ORM**, ensuring efficient data retrieval.

**GMD Protocol**                                                                              Ho Chi Minh City, Vietnam
Software Engineer Intern                                                                                  Jun 2023 - Aug 2023
- Constructed an automated hourly news updates **Telegram chatbot** with Python and API integration.
- Collaborated in developing and deploying **Solidity** smart contracts for secure and efficient token exchanges, enabling seamless blockchain transactions.
- Researched on finance technologies and decentralized finance, deepening product understanding and driving informed contributions.

## PROJECTS

**Alzheimer's Diagnosis Prediction**                                                                      Jan 2025
- Built a classification model to predict Alzheimer's diagnosis using Logistic Regression, achieving 70% accuracy, and analyzed performance using a confusion matrix and classification report.
- Utilized Python libraries (pandas, scikit-learn, matplotlib, seaborn) for data analysis, visualization, and modeling.

**FoodByte Web App**                                                                                      Apr 2024 - May 2024
- Collaborated with other 2 students to develop a web app with **ReactJS** and **Firebase** to recommend recipes based on user preferences and nearest grocery store.
- Proposed and led development of a feature integrating **Google API** for location data and **Food API** for personalized, location-based recipe recommendations.

**Web Scraping & Chatbot**                                                                                      Jun 2023
- Utilized JavaScript to scrape data from Boston University's website and constructed an automated Twitter bot posts updates using API integration.

## SKILLS

- Programming: Python | Java | JavaScript | TypeScript | C/C++ | SQL.
- Tools/Frameworks: React.js | Express.js | Django | Docker | Git | Postman | Firebase.