Rami Huu Nguyen
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Profile

AI Researcher with a passion for large language models, machine learning, and computer vision. Strong interest in **machine learning models, NLP, deep learning**, **graphical perception, data analytics** and **visualization**. View my career journey here.

Education

- **MS in Information Technology,** UMass Boston, Dorchester, MA (*Start Spring 2025*)

- **MS in Business Analytics**, Big Data Track - UMass Boston, Dorchester, MA – GPA: 3.95 (*Jan 2023 - Dec 2024*)

- **MS in Marketing Research** - Suffolk University, Boston, MA – GPA: 3.9 – Bridge Tutor (*Jan 2020 - Jan 2022*)

- **BC in Logistics and Supply Chain & Diploma of Commerce** - Curtin University, Singapore (*Jan 2020*)

Working Paper

Evaluate 'Graphical Perception' with Multimodal Large Language Models, UMass Boston, Boston, MA   June 2024 – Present

Advisor: Assistant Professor, Professor Daniel Haehn, Computer Science

- Designed and tested multimodal LLM models (Llama, Gemini, and ChatGPT4o) to evaluate graphical perception tasks.

- Built comprehensive Python scripts for generating datasets, evaluating all models' performances and fine-tuning latest Llama 3.2b vision models with optimized data prep, LoRA-based adaptation, and 4-bit quantization.

- Wrote custom Python scripts to summarize models' performance results, preprocess all models responses, and visualize their results.

Professional Experience

Strategy Internship - *Connelly Partners, Hybrid, Boston, MA*   *May 2024 – Aug 2024*

- Engineered Python-based tools and customized NLP prompts tools (WebTrendGPT and Reviews Scraping), to automate data collection and analysis pipelines, reducing research time by 75% and enhancing trend analysis workflows.

AI Newsletter Strategist - *Self-employed*   *Feb 2024 – Present*

- Designed and managed prompt engineer frameworks within ChatGPT to automate content creation for two LinkedIn newsletters (Future of AI and Future of Marketing), achieving 35K impressions and 9.5K views.

Data Analyst Internship - *UMass President Office, Hybrid, Shrewsbury, MA*   *Jul 2023 – Aug 2023*

- Built and optimized 20+ Tableau dashboards, streamlining procurement processes and reducing analysis time by 30%.

Social Media Internship - *Insights Association, North Atlantic Chapter, Remote, Boston, MA*   *Sep 2021 – Sep 2022*

- Developed LinkedIn content strategies and custom ChatGPT bots, boosting ticket sales by 50%, and generating 30K+ impressions for annual networking events.

Website Marketing Internship - *Eagle Trading Logistic, In-person, Ho Chi Minh, Vietnam*   *Jun 2019 – Jul 2019*

- Designed a new logistics website layout by integrating competitor features, increasing visitor engagement by 30%.

Business Owner - *Shop 73, In-person, Ho Chi Minh, Vietnam*   *Apr 2014 – Sep 2016*

- Operated a retail store, developed a sales management tool, generating $100K+ in profit and 4,000+ Facebook followers.

Academic Projects

Yelp Analysis

UMass Boston, Boston, MA   *April 2024 – May 2024*

- Conducted large-scale analysis of 100,000 Yelp reviews to identify key factors influencing customer satisfaction in restaurants.
- Applied **NLP and machine learning models** to analyze preferences and accurately predict consumer sentiment.

Movie Analysis

UMass Boston, Boston, MA   *April 2024 – May 2024*

- Developed Python scripts to **scrape and collect data** on 1,000 IMDb movies, transforming it into a cleaned SQL database.
- Utilized NLP models to analyze and predict viewer sentiment, leveraging machine learning for enhanced data interpretation.

Awards

- Juggler Award (2022), AI Contest Winner, AI one-minute presentation, and AI Hackathon Participant (2024)

AI Chatbots

- Created and implemented custom AI chatbots with ChatGPT to automate articles and posts on LinkedIn

Professional Memberships

- Insights Association, North Atlantic Chapter: Member & Volunteer (Sep 2021 – Present)
- American Marketing Association (AMA): Member & Volunteer (Apr 2024 – Present)
- Bob Cargill's Marketing Road Show: Panel Speaker (Nov 2024)
- MassRobotics: Member (Apr 2024 – Present)

Professional Skills

- **Programming**: Python, R
  Libraries: Pandas, Numpy, PyTorch, Transformers, Spacy, Scikit-learn, Matplotlib, Seaborn, Transformers, BeautifulSoup
- **Machine Learning & AI Tools**: Hugging Face, ChatGPT, Copilot, LLaVA, Gemini, NotebookLM
- **Web Development**: JavaScript, HTML5, CSS - *Frameworks*: Three.js, XTK
- **Data & Visualization**: Tableau, SQL, MySQL
- **Version Control**: Git, GitHub, Visual Studio
- **Productivity**: MS Office, G-Suite, Asana, Trello, Slack, Basecamp