Quan Hoang Minh Nguyen

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https://github.com/MaxSally

Education

Lincoln, NE **University of Nebraska-Lincoln** **Fall 2023 - May 2025 (expected)**

- Master of Computer Science and **Graduate Research Assistant** for Dr. Hongfeng Yu.
- Paper submitted to IEEE TVCG: **PixOrNet: Superpixel Learning for Fast Volume Visualization**
- Coursework: Computer Vision, Hardware-Software Acceleration for ML, DL & Assured Autonomy Analysis

Lincoln, NE **University of Nebraska-Lincoln** **Fall 2019 – May 2023**

- B.S.E. in Computer Science and Mathematics focused in Data Science. GPA: **3.98/4.0**. Recipient of Chancellor Scholar awarded to the top 1% of class. **Honors program** for CS, and **Teaching Assistant** for Intro to AI.
- Coursework: Probability Theory, Linear Programming, Intro to Data Mining, Intro to Deep Learning

Experience

Data Science Intern **Meta Platforms (Facebook)** **May 2022 - August 2022**

- Utilized supervised ML models and signals to effectively identify and filter out harmful content, enhancing content recommendations.
- Achieved a **40%** reduction in harmful content prevalence metrics, contributing significantly to achieving the first-half 2022 goals and informing the second-half 2022 goal-setting process.
- Collaborated with SWE and DE teams to identify and rectify weaknesses in the current labeling and review systems, resulting in a **10x** improvement in system efficiency. Utilized tools such as **SQL**, **Tableau**, **Presto**
- Presented this strategy to Org Directors to secure approval for launch

Data Science Intern **Elsa, Corp** **Sept 2021 - Dec 2021**

- Collaborated with the Product team to propose and analyze 4 A/B testing experiments.
- Optimized features to increase the conversion rate of free users to Pro users by 15%. Leveraged tools: **Snowflake**, **SQL**, and **Amplitude**, .
- Developed the first stage of an abnormal behavior detection model to identify and mitigate suspicious user login activities, bolstering account security and safeguarding user privacy.
- Co-authored a **white paper** with CTO Xavier Anguera to showcase the app's effectiveness in enhancing students' language performance.

Additional Experience and Awards

Project Researcher **Real & Fake News Text Analysis** **Jan 2023 - May 2023**

- Led a team of five members to implement Data Mining techniques including Apriori and Ensemble Methods to distinguish genuine news from fabricated content.
- Conducted Qualitative Data Analysis in **Python** to explore the impact of various linguistic elements, such as word choice, sentence structures, and sentiment . Library used: **Tensorflow, PyTorch, NumPy**
- Enhanced overall code efficiency by approximately 30% through review and refactoring of code. Github

Software Developer **Ameritas - Design Studio** **Sept 2020 - May 2021**

- Developed a business rule engine to detect fraudulent activities in **Python** utilizing **Dataiku** and **Tensorflow**.
- Enhanced existing systems to capture 30% more suspicious web activities, reducing losses attributed to fraudulent actions and ensuring the security of customers' funds. A Senior Project with industry sponsor.

Others

- **Harvard Data Science** Professional Certificate Program: Self-learn data science using **R** through EDX. Completed 8 courses. Certificates are available on **Linkedin**
- **Competitive programming ACM-ICPC**: Member of Poincare. Earned **second place** overall at Region and competed at North America Championship in 2020. Programming languages used: **C++, Java**

Languages and Technologies

- **Python** (7 years), **SQL**, **R**, **Tableau**, **C++**, **Snowflakes**, Latex, Git, Amplitude, and Presto