

# Khuong Nguyen

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## EDUCATION

**American University - College of Art and Science**  
BS in Computer Science, Minor: Data Science

**Washington, DC**  
Expected graduation May 2026

- **Coursework:** Computer Science, Computer Systems Organization, Object-Oriented Programming, Network Security, Algorithms and Data Structures, Data Sciences, Artificial Intelligence, Applications Generative AI, Intro to Machine Learning, Web Programming, Statistical Machine Learning.
- Dean's List 2024; Piano Performance classes to enhance creativity; Member of Sigma Phi Epsilon Fraternity – organized annual fundraising for the American Foundation for Suicide Prevention.

## SKILLS

**Programming Languages:** Proficient: Python Intermediate: SQL(1yrs), R(1yrs)

**Data & Tools:** Pandas, NumPy, scikit-learn, TensorFlow, MySQL, CSV Pipelines, Data Visualization, GCP, Gemini, Gits, VS code, TypeScript, HTML, CSS, React, PNPM, Ant Design (antd).

**Languages:** Fluent in Vietnamese, English

## EXPERIENCE

**Data Science/Front-End - DC Witness**  
Intern

**Washington, DC**  
July 2025 - Present

- Contributing to public-interest journalism by supporting the data team with court case tracking and automation tools.
- Working with Python, Pandas, and MySQL to design data pipelines that clean, transform, and store CSV data for reporting.
- Collaborating through GitHub, and Slack to manage tasks, maintain version control, and align with editors.
- Exploring frontend development using TypeScript, React, and PNPM to build user-friendly dashboards and visualization tools.
- Supporting ongoing projects such as AI-powered press release summarization, court schedule automation, and the DC/Baltimore Edge analytics platform for attorneys.

**Product Operations Educator - Lululemon**  
Permanent Part-time

**Mclean, VA**  
April 2025 - Present

- Used RFID and digital inventory systems to streamline product tracking, reconciliation, and allocation.
- Enhanced fulfillment efficiency (BOPIS, ship-from-store), driving a 30% increase in sales goal performance.
- Applied data-driven planning to consistently achieve 100% of monthly sales targets.

## PROJECTS AND PERSONAL PROJECTS

**AI Housing Price Forecaster** | Capstone Project | In Progress

- Designing a Python + SQL powered housing analytics app with ML models to forecast rental and housing prices using Zillow/Kaggle datasets.  
Planning to implement NLP for automated market summaries (e.g., "In DC, housing rose 5% over the past year due to X"), making insights more accessible.
- Building an interactive frontend with map visualizations and AI-generated insights to deliver actionable market intelligence.

**Airport Simulation Project** | Personal Project | ~ 30 hours

- Developed an airport simulation using Python and queues (FIFO) to manage randomized takeoff and landing requests, prioritize landings for safety, and track key performance metrics like wait times and runway idle percentage.

**An Interdisciplinary Analysis of Movie Success Factors** | Team Project | ~ 15 hours

- Analyzed movie success factors using R by cleaning data, conducting exploratory analysis, and visualizing insights on plot structure, cast performance, and production budget to provide actionable recommendations for the entertainment industry.