

DYLAN TRAN

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EDUCATION

Columbia University, New York, NY

Expected Graduation: May 2026

B.A. in Computer Science, Special Concentration in Linguistics

- **GPA:** 3.92/4.00
- **Relevant Coursework:** Databases, Adv. Prog., Data Structures, Linear Algebra, Calc-based Stats, Calc III, Arabic III
- **Honors/Awards:** John Jay Scholar, Foreign Language and Area Studies (FLAS) Fellowship, 4x Dean's List

SKILLS

Technologies/Tools: Intermediate: Git, Lucidchart, Excel, Beginner: Selenium, pandas, scikit-learn, spaCy

Certificates: Intermediate Cybersecurity, Intro to SWE (CodePath), Financial Modeling Fundamentals (Project Destined)

Languages: Advanced: Vietnamese, Arabic, Latin, Intermediate: Python, Java, Beginner: C, SQL, HTML, CSS, JS

EXPERIENCE

Vochai, Casablanca, Morocco (*Remote*) – *Software Engineering Intern, Artificial Intelligence* Sep 2024 – Present

- Optimized speech recognition LLM through data augmentation on dataset using PyTorch, pandas, and scikit-learn
- Engineered Python-based web scraping pipeline with Selenium and BeautifulSoup, automating YouTube metadata extraction to build low-resource Swahili corpus, enhancing LLM robustness for multilingual NLP applications
- Executed pitch deck and product demos, targeting client partnerships and seed funding for Annarabic product

CUCyber, New York, NY – *Cybersecurity Competitions Chair*

Aug 2023 – May 2024

- Led 20+ members in 9 national CTF competitions, facilitating team collaboration and achieving top placements
- Hardened Windows system and monitored traffic with Wireshark to counter malware and fulfill injects in CCDC
- Delivered technical workshops on malware creation with msfvenom and on applications of cryptographic algorithms

City University of New York, New York, NY – *Neurolinguistics Research Assistant*

May 2023 – Aug 2023

- Investigated the neurocognitive impacts of social isolation on lexical retrieval abilities among elderly adults
- Refined experimental protocols by developing measures to study social networks, aggregating 100+ scholarly articles on Excel, and assisting in subject recruitment with Drs. Loraine Obler and Amy Vogel-Eyny

Columbia Radio (WKCR-FM NY 89.9), New York, NY – *Studio Engineering Intern*

Oct 2022 – May 2023

- Operated soundboard to ensure quality audio for live broadcasts, managing signal troubleshooting and fidelity control

PROJECTS

Personal Portfolio Website

Oct 2024 – Present

- Designed responsive portfolio website leveraging HTML5, CSS3, and JavaScript ES6
- Integrated dynamic navigation, adaptive layouts, and interactive JS UI/UX components to enhance accessibility

Sentiment Analysis of AI in Africa

Sep 2024 – Present

- Developed a Python-based NLP pipeline using spaCy and TextBlob to conduct sentiment analysis on scholarly articles, applying tokenization, parsing, and sentiment scoring to assess AI development trends in Africa's tech sector

EXTRACURRICULAR ACTIVITIES

Columbia Emerging Markets Society, New York, NY – *MENA Markets Analyst*

Feb 2024 – Present

- Conducted macroeconomic research on Moroccan tech sector, drafting market analysis report on investment prospects

Arabic Language Institute in Fez, Fez, Morocco – *FLAS Fellow*

May 2024 – Jul 2024

- Awarded competitive \$8,500 language fellowship to study advanced Modern Standard Arabic and Moroccan dialect

Woodenfish Foundation, New York, NY – *Sangha Education Study Tour Coordinator*

Mar 2024 – May 2024

- Organized 7-hour workshop for 20+ international monastics to explore Columbia Buddhist Studies program
- Worked with Columbia administration to secure a conference room venue, coordinate lunch, and arrange campus tour