

Dylan Tran

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EDUCATION

Columbia University

New York, NY

B.A. in Computer Science, Concentration in Linguistics

Expected Graduation: May 2026

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

SKILLS

Languages: Advanced: Vietnamese, Arabic. Intermediate: Python, Java, HTML, CSS, Cantonese. Beginner: JS, SQL

Frameworks/Libraries: BeautifulSoup, scikit-learn, spaCy, pandas, PyTorch

Technologies/Tools: Git/Github, Selenium, Lucidchart, Basecamp, Kali Linux, Wireshark, Splunk, Excel, Powerpoint

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

EXPERIENCE

Vochai

Casablanca, Morocco (*Remote*)

Software Engineering Intern, Artificial Intelligence

Sep 2024 – Present

- Optimized speech recognition LLM data augmentation on dataset using PyTorch, pandas, and scikit-learn
- Developed Python web scraper API with Selenium and BeautifulSoup, automating YouTube metadata extraction to build low-resource Swahili corpus and 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

PROJECTS

Personal Portfolio Website

Oct 2024 – Present

- Designed responsive portfolio website from scratch using 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

- Developing Python 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 Morocco's tech sector to draft an investment market analysis report

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 conference room venue, coordinate lunch, and arrange campus tour