

# Dylan Tran

✉ dylan.g.tran@gmail.com | in linkedin.com/in/dylangtran | ☎ (929) 327-8509 | 🐙 beepboopdylan.github.io

## 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

## 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, Figma, Kali Linux, Excel

**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 via 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 model robustness for multilingual NLP applications
- Executed pitch deck and product demos, targeting client partnerships and seed funding for Annarabic product

### Columbia Political Student Association

New York, NY

*Software Engineering Lead*

*Sep 2024 – Present*

- Redesigned club webpage with Bootstrap and Figma prototypes to demo improvements and receive team feedback
- Integrated live Instagram widget and sign-up form to streamline member engagement and database management

### 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
- 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*

- Developed 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