Toshi Troyer

tosh.troyer@gmail.com | [LinkedIn](#)

EDUCATION

New York University - College of Arts & Science   **Graduating May 2025**
- **Major**: Computer Science
- **Minor**: Spanish

RELEVANT COLLEGE COURSEWORK

Computer Systems Organization, Algorithms, Discrete Mathematics, Advanced Psychological Statistics, Linear Algebra, Operating Systems, Natural Language Processing, Advanced Software Engineering, Computer Graphics, Applied Internet Technology

PROGRAMMING LANGUAGES & TOOLS

Java, JavaScript, Python, C, C++, Assembly, R, SQL, HTML, CSS, Node.js, React, Next.js, TypeScript

EXPERIENCE

Meade CPA-Software Engineering Intern: **July 2024 - August 2024**
- Developed a cloud-based system integrating Ocrolus's AI-powered APIs to automate tax and bank document processing, reducing manual entry and improving turnaround time while emphasizing secure development practices
- Engineered and deployed a React-based web application on Azure, applying API-first principles and modern web technologies to enhance data handling and user interaction
- Collaborated with cross-functional teams at Meade CPA and Ocrolus to align project timelines and communication, demonstrating an execution-driven mindset

Varsity Tutors: **May 2024 - Present**
- Delivered tailored computer science lessons to address learning gaps and strengthen problem-solving skills
- Coordinated tutoring schedules across multiple students, showcasing strong time management and a collaborative approach to educational support

Freelance Tutor: **2020-2022**
- Built a steady client base through local outreach and independently managed tutoring logistics
- Helped a long-term student improve from a C to an A in Pre-Algebra and Geometry by leading weekly problem-solving sessions and consistent review over 2 years
- Kept parents informed through regular progress updates and adaptive study plans

PROJECTS

Creative Showcase App: **March - May 2025**
- Built a full-stack portfolio web app using JavaScript, Next.js, Tailwind CSS, and MongoDB, enabling creative students to design and share personalized portfolio sites with dynamic routing
- Designed a robust MongoDB schema to manage users, portfolios, and category-based project galleries effectively
- Implemented secure authentication and session management with Passport.js, adhering to encryption best practices and robust SDLC principles

Keyword Extraction for News Articles on the 2024 Election: **November - December 2024**
- Developed a Python-based system for extracting election-related terminology from news articles using advanced NLP techniques, and evaluated system performance with precision, recall, and F1-scores
- Designed and tested a multithreaded Selenium scraper to process over 1,000 articles, integrating statistical and embedding-based models(YAKE, Word2Vec) for enhanced keyword extraction
- Authored a comprehensive research paper and presented findings to peers and faculty

Moodify Music Journal: **December 2024**
- Developed (Python, JavaScript, HTML, CSS) a web app where users tag songs by mood to get personalized Spotify recommendations, view mood trends with interactive graphs, preview songs, and create playlists
- Spearheaded the development of a mood-to-audio-feature algorithm for song suggestions based on valence, tempo, and mode
- Managed team sprint board, delegated tasks, and coordinated progress to ensure the timely completion of project deliverables

LANGUAGES

- Japanese: Fluent speaker
- Spanish: Fluent speaker and writer, Minor in Spanish at NYU; Study abroad program in Buenos Aires, Argentina - Spring 2024