YANNI TRIMIKLINIOTIS (He/Him)

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EDUCATION

New York University New York, NY
B.A. Computer Science and History with Honors *August 2022 – May 2026*
Presidential Honors Scholar - Current GPA: 3.96
Relevant Coursework: Basic Algorithms, Applied Internet Technology, Computer Systems Organization, Data Structures, Discrete Math

EXPERIENCE

Barclays Whippany, NJ
Software Engineer Intern *June 2025 – August 2025*
- Automated organizational processes in JavaScript for the Data Governance documentation by leveraging content analysis through natural language processing, Confluence API navigation, rate limit handling, and fuzzy-string matching
- Identified faults in data flows and records storage, which could cause financial and legal risks
- Designed record retention solutions closing legal risks and, upon implementation, reducing SMS record costs by 50%

NYU University Learning Center New York, NY
Supplemental Instructor *September 2024 – December 2024; August 2025 – Present*
- Host 2 learning groups of 20 people for Calculus 1 where I prepare practice questions, lectures, and mock exams
- Facilitate interactive learning activities that integrate metacognition practices with Calculus course content
- Tutor students in drop-in hours for 10 hours per week in over 15 courses in Computer Science, Economics, and Mathematics

Learning Assistant *January 2024 – July 2024*
- Tutored over 15 courses including Data Structures, Calculus, Microeconomics, Macroeconomics, and general writing
- Led group drop-in hours for Data Structures and Algorithms and Calculus, assisting over 30 students
- Reviewed students' assignments to build study plans and learning techniques for students, furthering their success

Juni Learning Remote
Computer Science Instructor *May 2024 – Oct 2024*
- Taught middle-school and high-school students 5 different technologies: Python, Java, JavaScript, HTML, and CSS
- Developed and delivered engaging lessons, reviewed programming projects, and tested for bugs to ensure assignments were completed correctly and modularly
- Enhanced students' understanding of data structures, enabling them to apply these concepts in open-ended projects

PROJECTS

RPG Workout Tracker – *React, NodeJS, Express.js, MongoDB* *October 2024 – December 2024*
- A full-stack application which allows users to track workout exercises and then builds them "stats" for each workout type
- Integrated user authentication, session handling, and document data storage so user info persists between sessions
- Implemented progression systems so users could set goals and gain experience points calculated from inputted workouts

Playlist Enhancer – *React, NodeJS, and HTML/CSS* *August 2024 – October 2024*
- Developed a web application that allows users to import Spotify playlists and receive custom playlist cover images generated by DALL-E.
- Utilizes the Spotify API's song analytics, genres, and tags to generate a prompt for the OpenAI API

Personal Portfolio – *React, Next.js, and HTML/CSS* *September 2024*
- Personal website utilizing Flexbox, Grid, and other CSS technologies to create a responsive design for various devices
- Integrating an Azure Chatbot connected to a ChatGPT 3.5 bot to provide interactive responses to inquiries about my resume

Matrix Calculator - *Java* *November 2023 – February 2024*
- Developed a program that performs matrix operations, including transposition, addition, multiplication, and inversion
- Implemented mathematical algorithms such as Cramer's Rule and Gaussian Elimination to solve systems of equations

SKILLS

Languages: Java, Python, HTML/CSS, JavaScript, C, x86 ASM, LaTeX, SQL
Frameworks/Preprocessors: Bootstrap, Express, React, Node.js, Next.js, SaSS, Unity
Tools: Azure, Confluence, Figma, Git, GitHub, Gitlab, MongoDB, Unix, Visio, VS Code, Windows

ACHIEVEMENTS

Dean's Undergraduate Research Fund *May 2024*
Awarded a Training Grant of $750 to build a historiography on the formation of German identity in the 1800s

Pathways for Discovery: Undergraduate Research and Writing Symposium *April 2023*
Presented my original paper on the formation of binary polarization in educational discourse and discussed with co-panelists