Ali Tleis

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EDUCATION

Northeastern University — Boston, MA
Candidate for Bachelor of Science in Computer Science — *Expected May 2028*
- **Relevant Coursework:** Algorithms & Data Structures, Object-Oriented Design, Artificial Intelligence, Database Systems, Programming in C++, Discrete Structures, Fundamentals of Computer Science I & II
- **Activities:** Arab Student Association Club, Weight Lifting Club

EXPERIENCE

Frontend Developer Intern — Jun. 2025 – Sep. 2025
Top Choice Realty — *New York, NY*
- Collaborated with cross-functional teams to troubleshoot UX issues and deliver iterative UI improvements, reducing friction in common user workflows
- Built Python backend scripts to automate routine data cleanup and update tasks, improving data consistency and reducing manual maintenance effort
- Designed and implemented a centralized client and agent data management system to eliminate duplicate records and improve data retrieval efficiency
- Worked closely with non-technical stakeholders to translate business requirements into intuitive, user-friendly frontend features

Computer Technician Intern — Jun. 2023 – Sep. 2023
Robert DeFalco Realty — *New York, NY*
- Set up and configured office workstations including operating system installations, software provisioning, and peripheral integration
- Diagnosed and resolved day-to-day IT issues related to performance, connectivity, printing, and email, minimizing employee downtime
- Implemented basic system standardization practices such as update schedules and configuration baselines to reduce repeat issues
- Provided technical support to staff in a fast-paced office environment, improving overall system reliability and user satisfaction

PROJECTS

Top Choice Realty Platform | *React, TypeScript, Tailwind CSS, Framer Motion* — Jun. 2025 – Sep. 2025
- Developed and launched a full-stack real estate management application to streamline listings, agent workflows, and client data access
- Implemented RESTful APIs with secure authentication to manage properties, users, and transactions
- Designed a responsive, modern frontend interface optimized for usability and performance

DaVinci Resolve Smart Upscale Plugin | *DaVinci Resolve, Python, Lua, OpenCV, FFmpeg* — Jan. 2026 - Present
- Built a custom DaVinci Resolve plugin to automatically upscale video footage to 4K with minimal quality loss
- Implemented dead-frame detection using computer vision techniques to identify, remove, and resequence corrupted or blank frames
- Automated timeline reconstruction to ensure smooth playback and export without manual editing

Eternal Summary | *JavaScript, Flask, OpenAI API, HTML/CSS* — Sep. 2023 – Nov. 2024
- Engineered an AI-driven web application to generate concise summaries of long-form content
- Architected backend systems to handle asynchronous API requests
- Improved summary accuracy through advanced web scraping sanitization

TECHNICAL SKILLS

Languages: Python, Java, Lua, C++, C#, Kotlin, JavaScript, TypeScript
Frameworks & Libraries: React, Node.js/Express, React Router, MUI, Vite, Tkinter, Django (basics)
Backend & Systems: REST APIs, Authentication (JWT), Asynchronous Processing, System Integration
Databases: MongoDB (Mongoose, Atlas), PostgreSQL, MySQL
Tools: Git/GitHub, Linux, Jest/JUnit, Heroku, GitHub Pages, Arduino
Spoken Languages: English (Native/Bilingual), Arabic (Native/Bilingual), French (Limited Working)