Ali Tleis

Boston, MA

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EDUCATION

Northeastern University — Boston, MA

Bachelor of Science in Computer Science — *Expected May 2028*

- **Relevant Coursework:** Algorithms & Data Structures, Object-Oriented Design, Artificial Intelligence, Discrete Structures, Programming in C++, Fundamentals of Computer Science 1 & 2

EXPERIENCE

Top Choice Realty — New York, NY

Frontend Developer Intern — *Jun 2025 – Sep 2025*

- Identified inefficiencies in listing and client-management workflows and proposed architectural UI and integration improvements adopted by the team
- Architected reusable React/TypeScript component patterns to standardize dashboard and intake workflows, improving UI consistency and accelerating feature iteration
- Refactored MongoDB schema design to enforce data consistency across client and agent records, eliminating duplicate entries and improving query reliability
- Designed and implemented Python and C# automation pipelines to synchronize distributed MongoDB records across virtualized environments, reducing manual reconciliation time by 30%

Robert DeFalco Realty — New York, NY

Computer Technician Intern — *Jun 2023 – Sep 2023*

- Led workstation provisioning across 20+ employee systems, performing OS imaging with WinPE and deploying standardized Windows and Linux configurations
- Developed PowerShell scripts to automate configuration and software deployment tasks, improving deployment consistency and reducing setup time
- Supported virtual machine (VM) configuration and utilized Azure DevOps for version control and CI workflow coordination

PROJECTS

Top Choice Realty Platform | *React, TypeScript, Node.js, MongoDB* — Jun. 2025 – Sep. 2025

- Developed and launched a full-stack real estate management platform to streamline property listings, agent workflows, and client data access
- Implemented secure RESTful APIs with authentication and role-based access control for property and user management
- Designed reusable frontend architecture optimized for performance, scalability, and maintainability

DaVinci Resolve Smart Upscale Plugin | *Python, Lua, OpenCV, FFmpeg* — Jan. 2026 – Present

- Engineered a Python-based video processing pipeline using OpenCV and FFmpeg to detect motion frames, restructure timelines, and upscale footage to 4K
- Implemented threshold-based frame detection to isolate active motion segments and remove redundant frames prior to interpolation
- Automated marker placement, clip segmentation, and timeline reconstruction within DaVinci Resolve using custom scripting

Eternal Summary | *JavaScript, Chrome Extensions API* — Sep. 2023 – Nov. 2024

- Built a Chrome extension that extracts live webpage content using browser APIs and content scripts
- Integrated the OpenAI API to generate real-time summaries through asynchronous client-side requests

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Java, C#, C++
Frontend: React, Next.js, Tailwind CSS, Vite, Framer Motion
Backend: Node.js/Express, API Design, MongoDB/Mongoose
Databases: MongoDB, PostgreSQL, MySQL
Tools: Git/GitHub, Linux, Docker, PowerShell, Azure DevOps, OpenCV, FFmpeg, Jest/JUnit, Heroku, Arduino