

Timothy Gribbin

New York • [Personal Website](#) • timothygribbin@gmail.com • [GitHub](#) • [LinkedIn](#)

Education

Northeastern University, Boston, MA

Expected June 2027

Candidate for Bachelor of Science in Computer Science

GPA: 3.92/4.0

Coursework: Program Design and Implementation, Theory of Computation, Computer Architecture, Data Structures and Algorithms, Object-Oriented Programming

Suffolk County Community College, Selden, NY

Graduated May 2025

Associate of Science in Computer Science

GPA: 3.97/4.0

Activities and Honors: CS Club President, CS Student Research Program, CS Teaching Assistant

Technical Skills

Programming Languages: Java, Python, TypeScript, JavaScript, C, MIPS Assembly

Frameworks & Libraries: Node.js, Next.js, React, Express, NumPy, TensorFlow, Pandas, Tailwind CSS

Databases & Cloud: PostgreSQL, MySQL, Redis, AWS, AWS CloudWatch

Infrastructure & Tools: Git, Terraform, Postman, VS Code, Eclipse, Cursor, Claude Code, Docker

Work Experience

Videa, Software Engineering Intern, Backend Integrations

May - August 2026

- Built a production self-service Connector Console serving **6,500+ dental practices**, independently developing full-stack functionality with **TypeScript/Node.js and React** to expose connector versions, regional distribution, PMS/imaging roles, connector installers, and activation keys
- Designed and developed **RESTful API-based integrations** with third-party dental practice management and X-ray imaging platforms, supporting real-time exchange of patient and clinical data for **6,500+ dental practices**
- Improved internal tooling used by **200+ employees** by implementing dark mode with **Tailwind CSS**, standardizing location IDs in **PostgreSQL**, and developing an end-to-end notes feature for practices and organizations spanning **frontend, REST APIs, and database persistence**

Wrestling Reimagined, Software Engineering Intern, Full Stack

September - December 2024

- Built and deployed an event-driven badge recognition system using **TypeScript/Node.js and MySQL** that processed real-time match statistics and automatically awarded performance-based achievements to **4,000+ wrestlers** after each match
- Investigated and resolved production issues across real-time scoring and tournament data workflows, ensuring reliable event processing across **200+ live events**

Projects

PITSTOP, Developer, [GitHub Repository](#)

January - May 2025

- Engineered a full-stack collaborative road trip planner using **TypeScript, Node.js/Express, Next.js, and MySQL**, supporting trip management, shared expenses, collaborative voting, and permissions
- Integrated **Google Maps and MapLibre** to calculate and visualize routes, enabling users to discover proposed stops ranked by detour time along their existing route
- Integrated **Firebase authentication** and **Spotify APIs** to support trip invitations, shared playlists, collaborative music proposals and voting

HopperHelps, Developer, Hopper Hacks Hackathon, [GitHub Repository](#)

February 2025

- Won **1st** place out of **230** participants at the Hopper Hacks Hackathon at Stony Brook University
- Leveraged the **OpenAI API** to analyze journal entries and generate sentiment data used to identify and visualize users' emotional trends
- Developed an interactive mood calendar and journaling experience using **Zustand** for global state management, synchronizing user journal entries and sentiment data stored in **Firebase Firestore**

AI Signature Forgery Detection Model, Developer, CS Student Research

December - April 2025

- Developed and trained a custom CNN using **TensorFlow**, preprocessing signature datasets with **NumPy and Pandas** to achieve **~91% classification accuracy** on unseen test data
- Presented research methodology and findings at the **SUNY Undergraduate Research Conference**