

EDUCATION

Northeastern University, Boston, MA **2021 – Present**
Khoury College of Computer Sciences, College of Social Sciences and Humanities **Expected December 2025**
Candidate for B.S. Computer Science and Cognitive Psychology, B.A. Philosophy, 3.7/4.0 GPA
Related Coursework: Fundamentals of Software Engineering | Algorithms and Data (Master's) | Discrete Structures
Object-Oriented Design | Logic and Computation | Artificial Intelligence | Networks and Distributed Systems
Foundations of Cybersecurity | Fundamentals of Computer Science 1 and 2 | Human-Computer Interaction

Francis Parker School, San Diego, CA (High School) **June 2021**
Honors: 4.7/4.0 GPA, National Merit Scholarship Recipient, Cum Laude Society
Activities: Varsity Soccer (Captain), Varsity Football, Pep Band (Lead Guitar, Vocals)
AP Courses: Computer Science A, Chemistry, Physics 2, U.S. History, Language and Composition, Biology, Microeconomics, Macroeconomics, Calculus BC, Physics C (Mechanics, Electricity and Magnetism)

COMPUTER PROFICIENCY

Languages: TypeScript, CSS, GraphQL, Ruby, Java, Python, HTML, XML, LISP, SQL, PHP, Liquid, Groovy
Tools: GitHub, Jenkins, React, Jest, FitNesse, WebDriver, Cypress, Netlify, Node, Mongo, AWS, LaunchDarkly

RELEVANT EXPERIENCE

Software Engineering Co-op, Proof (Enterprise Experience Team) **January 2025 – September 2025**

- Led frontend and contributed to backend development + specification of new features per customer needs.
- Wrote comprehensive end-to-end (WebDriver E2E) and unit (Jest) tests for new feature work.
- Cleaned up unused LaunchDarkly flags and display bugs/deprecated Redux Form usage across the platform.

Software Developer Intern, Lumen Technologies (IP Network Engineering Team) **May 2024 – August 2024**

- Maintained complex network routing systems, adapted them to consumer network device/route changes.
- Optimized the performance of scripts transforming network service requests into optimal enablement paths.
- Migrated unit (FitNesse) tests to new lab devices and manipulated test databases using robust SQL queries.

AI Software Development/Research Co-op, University of Perugia (Italy) **September 2023 – December 2023**

- Developed an R package for a graphical metric used in conducting semantic analysis.
- Optimized the [Semantic Brand Score \(SBS\) Business Intelligence App](#) by implementing parallel processing.

Lead Web Developer, Envision Exotics (envisionexotics.com) **March 2023 – September 2023**

- Created infrastructure to handle payments, deposits, e-signing of rental agreements, intake/verification of driver's license and insurance information, and reserving times and dates for renting exotic cars.

Software Engineering Intern, EMR Direct, San Diego, CA **June 2020 – September 2020**

- Enabled secure exchange of health info between doctors/patients in conformance to Direct/HL7 standards.

PROJECTS

NO STYLIST: Independent venture | Full-stack AI stylist web app | React, TypeScript (nostylist.net) **May 2025 –**

- Comprehensive wardrobe management platform featuring AI-powered outfit feedback, advanced color analysis, Google Vision-powered categorization of clothing items, and responsive design for mobile/desktop.
- Developed and implemented REST API with Express.js, MongoDB, and JWT authentication supporting user registration, wardrobe management, outfit suggestions, and secure, Cloudinary-integrated image upload.
- Implemented serverless deployment with Netlify functions for scalable backend architecture and optimized performance with rate limiting, image optimization, and efficient data caching strategies.

NEUoverflow: Full-stack Q&A platform | React, TypeScript **September 2024 – December 2024**

- Designed and implemented Mongo schemas/models for data types (User, Question, Answer, Comment).
- Fully built and tested inter-user chat system (model, schema, controller, backend, frontend).

BGP Router: Python code that simulates behavior of a BGP router inside a closed simulation **February 2024**

- Leveraged API functions such as `select()` and `poll()` to manage multiple sockets within my program.
- Built/managed forwarding tables, aggregated entries, manipulated IP addresses, deciphered subnet masks, and handled different types of messages to best direct network traffic between nodes.

INTERESTS

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- Soccer, Music, Philosophy, Reading, Languages