

Education

TUFTS UNIVERSITY — SCHOOL OF ENGINEERING

SEP 2022 - PRESENT

- Bachelor of Science, Major in Computer Science, Minor in Cognitive and Brain Science
- **GPA:** 3.92 / 4.00, Dean's List
- **Relevant Courses:** Algorithms (A-), Data Structures (A), Database Systems (A), Calculus III (A), Linear Algebra (A-), Machine Structure & Assembly (IP), Parallel & High Performance Computing (IP)

Skills

PROGRAMMING LANGUAGES / RELEVANT TECHNOLOGIES

- Python, C++, C, Rust, Javascript, Typescript, SQL, Java, HTML, CSS
- GCP ([Cloud Digital Leader](#)), AWS, Git, PostgreSQL, MongoDB, React JS, Tailwind, Prisma, Zod

Experience

STRIIDE CO — FULL STACK ENGINEER INTERN

MAY 2024 - SEP 2024

- Engineered a complete web authentication and token management solution in Rust, adhering to OWASP best practices for security and access control.
- Built an automated CI/CD pipeline to dockerize and deploy the backend REST API on Google Cloud Run.
- Extended the Mapbox GL JS API to efficiently display 50,000 open businesses on an interactive map.
- Integrated Google Analytics 4 to track, analyze, and improve user engagement by defined metrics.
- Developed Python web scraping tools that leverage packet-sniffing techniques to extract paginated data from various sources.

THE LEGACY PROJECT @ TUFTS JUMBOCODE — SOFTWARE ENGINEER

OCT 2023 - MAY 2024

- Restructured the user role hierarchy for future expansion across multiple university chapters.
- Implemented robust, sanitized, and tested API routes, streamlining the chapter enrollment process.
- Migrated existing codebase from NextJS 12 to NextJS 14.

STEALTH STARTUP — SOFTWARE ENGINEER INTERN

MAY 2023 - OCT 2023

- Extended the Google Maps Python SDK to generate dynamic, populated maps of property assets.
- Established a normalized (3NF) SQL database for efficient retrieval of spatial data and asset information.

FIRSTROOT INC — COMPLIANCE CONSULTANT

JUN 2021 - AUG 2021

- Led the exploration of COPPA Compliance for FirstRoot's Participatory Budgeting platform, documenting clear and concise scoping for workflows.
- Developed necessary extensions to the data architecture, incorporating input through iterative presentations.
- Participated in SAFe® (Agile) development practices, including Daily Stand Ups, Sprint planning/reviews, pair programming, and automated testing in a CI/CD pipeline.