Daniel Thomas

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EDUCATION

Boston University — Boston, MA
Bachelor of Arts in Mathematics and Computer Science — *Expected May 2027*
- **GPA:** 3.94 (Dean's List x4)
- **Relevant Coursework:** Distributed Systems, Database Systems, Data Structures and Algorithms, Mathematical Statistics, Theory of Computation, Probability, Programming Languages, Computer Systems, Linear Algebra

TECHNICAL SKILLS

Front-End: React, Next.js, Javascript, Typescript, HTML, CSS, Material-UI, Tailwind CSS
Back-End: Java, Python, Go, Node.js, Express.js, Spring Boot, Flask, OCaml, C
Data: SQL (Postgres, MySQL), MongoDB, Supabase
Cloud & DevOps: Docker, Google Cloud Platform, Git, Figma
Human Languages: English (fluent), Malayalam (proficient), American Sign Language (intermediate)

EXPERIENCE

Incoming Software Engineering Intern — Oct. 2025
Boston University IS&T — *Boston, MA*

Director of Operations — Jan. 2024 – Present
Upsilon Pi Epsilon — *Boston, MA*
- Led a team of 25 students in 4 computer science workshops per semester, fostering deeper technical understanding and demonstrating strong communication skills by effectively conveying complex concepts
- Facilitate behavioral and technical interviews with 15 applicants, screen and shortlist 45 candidates per semester, mentor one individual per semester through monthly career and academic guidance sessions

Information Technology Support Specialist — Sep. 2023 – Sep. 2025
Boston University — *Brookline, MA*
- Identified and solved 500+ hardware and software issues for desktops, laptops, printers, projectors, and smart podiums across 5 campuses, ensuring reliable technology performance for students and faculty
- Manage distribution of 50+ student loaner laptops and oversee device repair processes, streamlining check-out/check-in workflows

PROJECTS

MyFitnessTerrier | *Python, Next.js, Typescript, MongoDB* — Apr. 2025 – Sep. 2025
- Designed a full-stack nutrition tracking app allowing users to filter and sort 600+ daily menu items from 5 Boston University dining halls by calories, protein, and 8 other nutrients
- Automated daily API calls, reducing call time by 75%, extracted nutrition data, and stored structured output in MongoDB
- Created an intuitive and responsive UI, enabling adaptive filtering by 4 dietary tags (e.g., vegan, halal) and 9 allergens (e.g., peanuts, egg) with cart functionality

Global Income Score | *Node.js, Typescript, Supabase, MySQL, Express* — Mar. 2025 - Jul. 2025
- Developed a RESTful API with Node.js and Express to serve affordability metrics by region through regional price parities
- Organized standardized cost of living data from 400+ U.S. metropolitan areas through U.S. Census and BEA datasets, formatting them through Excel and MySQL Workbench

Mind Map Visualizer | *Spring Boot, PostgreSQL, React.js, D3.js, Typescript, Docker* — Aug. 2025 - Sep. 2025
- Implement backend services in Spring Boot with RESTful API to create, retrieve, and manage graph nodes and edges
- Design PostgreSQL schema to model nodes and edges for flexible mind map storage and retrieval
- Develop functionality to add, delete, and connect nodes in real time, synchronizing changes with the backend database