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, 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

EXPERIENCE

Incoming Software Engineering Intern — Oct. 2025
Boston University Information Services & Technology — *Boston, MA*
- Incoming intern for Client Technology Engineering Department

Director of Operations — Jan. 2024 – Present
Upsilon Pi Epsilon — *Boston, MA*
- Manage the full lifecycle of 2-3 student-led computer science workshops per semester, increasing student engagement by implementing a 6-week preparation process
- Streamline member recruitment process to 30 days by screening 45 candidates per semester and facilitating behavioral and technical interviews with 15 applicants, ensuring a constant influx of qualified members

Information Technology Support Specialist — Sep. 2023 – Sep. 2025
Boston University Information Services & Technology — *Brookline, MA*
- Resolved 500+ hardware and software issues for IT and classroom equipment across 5 campuses, ensuring reliable technology performance for students and faculty by efficiently diagnosing timely solutions
- Oversee distribution of 50+ student loaner laptops, reducing turnaround and improving device availability by optimizing check-out/check-in workflows

PROJECTS

MyFitnessTerrier | *Python, Next.js, Typescript, MongoDB* — Apr. 2025 – Sep. 2025
- Designed a nutrition tracking application using Typescript, allowing users to sort and filter 600+ menu items from 5 Boston University dining halls by 10 nutrients, 4 dietary tags, and 9 allergens
- Reduced API call time by 75% by restructuring daily API calls to extract nutrition data with Python, storing them in MongoDB, ensuring accurate, up-to-date results
- Implemented a cart feature with Next.js for users to add and track menu items, improving individual meal planning and nutrient tracking

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, providing relocation information between 2 places
- 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, maintaining accuracy of affordability scores

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, enabling dynamic mind mapping
- Modeled nodes and edges for flexible mind map storage and retrieval by designing an optimized PostgreSQL schema
- Developed functionality to add, delete, and connect nodes in real time, ensuring synchronized and interactive user experiences, by integrating React.js frontend with the backend database