

Jonah Rothman

781-366-5290 | jonahr@bu.edu | jonahrothman.com | linkedin.com/in/jonah-rothman/ | github.com/jonahr4/

EDUCATION

Boston University | Boston, MA Jan 2027
MS in Computer Science, BA in Computer Science, Minor in Economics GPA 3.77, Dean's List (all terms)
• *Related Coursework:* Software Engineering, Natural Language Processing, Machine Learning, Image & Video Computing, Analysis of Algorithms, Foundations of Data Science, Distributed Systems, Full-Stack Development, Macroeconomics

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Java, C/C++, SQL, HTML/CSS, Swift, Kotlin, OCaml
Frameworks & Libraries: React, Next.js, Node.js, Express.js, FastAPI, REST APIs, React Native, React Flow, TailwindCSS, Vite
Cloud & Databases: PostgreSQL, Supabase, MongoDB Atlas, Google Firebase, Microsoft Azure, AWS, Docker, Vercel, DigitalOcean
Testing & DevOps: GitHub Actions (CI/CD), Unix/Linux, Git, Playwright, Cypress, Selenium, Jest, Azure DevOps, Jira, EAS
AI/ML: Multi-Agent Systems, PyTorch, scikit-learn, pandas, NumPy, OpenAI API, Claude API, LangGraph, LangChain, RAG

EXPERIENCE

Software Engineer Intern, Test Engineering Jun 2026 – Aug 2026
Major League Baseball (MLB) New York, NY

- Architected a multi-agent LLM pipeline (Author, Explorer, Self-healing) to compile Jira tickets into PR-ready Playwright code
- Engineered an evidence-based evaluation harness that parses execution traces via `.mjs` scripts and a shared context ontology
- Authored **80+ E2E test cases** in Playwright with JavaScript, building page coverage with Page Object Model architecture
- Built automated regression suites in GitHub Actions CI/CD, ensuring ticketing reliability for **70M+ annual fans**

Software Engineering Consultant Mar 2026 – Jun 2026
First Cambridge Realty Corporation Cambridge, MA

- Architected a Next.js/TypeScript platform for **583 units across 43 properties** with server-side Excel ETL pipelines
- Engineered a custom 60/30/10 peer-benchmarking algorithm and Rent Score engine, powering Leaflet maps and dashboards

Software Engineering Consultant Jan 2026 – May 2026
BU Spark! Boston, MA

- Built the schema-mapping review UI in Next.js and TypeScript, including per-row status controls and confidence-score displays
- Collaborated on a three-stage retrieval and ranking pipeline based on “ReMatch,” using OpenAI embeddings and LLM ranking
- Worked in agile sprints with biweekly client meetings for external partner Iroko Technologies, integrating SaaS data sources

Junior Front End Development Intern May 2025 – Aug 2025
PanelClaw North Andover, MA

- Led adoption of Cypress, researching and presenting the company’s first automated test framework to the development team
- Rebuilt manual front-end smoke test suite with Cypress automation in parallel execution to drastically accelerate test workflows
- Reduced regression test time from a **full day to ~1 hour**, saving **6+** manual engineering hours daily (**5x faster**)
- Authored and updated hundreds of Jest JavaScript unit tests, improving backend coverage and catching critical production bugs

PERSONAL PROJECTS

Rezzzy | [Repository](#) | [Live App](#) Jul 2026 – Present
Multi-agent LangGraph pipeline for AI resume tailoring that preserves the applicant’s own wording

- Designed a multi-agent AI pipeline in **Python/FastAPI** using **LangGraph**, with dedicated resume tailoring agents
- Built an evaluation harness that validates generated LaTeX PDF output for formatting errors and auto-recompiles
- Engineered prompts to prevent metric and skill hallucination, grounding generated content against a verified source bank
- Containerized the backend with **Docker** and deployed to **Azure Container Apps**, with a Next.js/Firebase frontend and auth

TaskApp (Web + Mobile) | [Web Repo](#) | [Mobile Repo](#) | [Live Web App](#) | [App Store](#) Jan 2026 – Present
AI-powered productivity platform with cross-platform task management and intelligent prioritization

- Developed a cross-platform application using **Next.js** and **React Native**, featuring a drag-and-drop Eisenhower Matrix
- Supporting **500+ users** and **2,000+ tasks** with device sync powered by Firebase Auth, Firestore, and Vercel serverless APIs
- Integrated **Azure OpenAI (GPT-4o)** to convert natural language and voice inputs into prioritized, scheduled tasks

InternAtlas | [Repository](#) | [Visit InternAtlas.tech](#) Dec 2025 – Jan 2026
Search thousands of tech company job boards in one place, with filtering and automated updates

- Deployed a live Next.js job board on Vercel featuring real-time information retrieval, full-text search, and application tracking
- Built scripts to crawl **3,100+ companies** across 5 ATS platforms, normalizing **1,650,000+ job listings** into PostgreSQL
- Automated large-scale daily data ingestion via GitHub Actions to populate a DigitalOcean PostgreSQL database

The Study Buddy | [Repository](#) | [Visit TheStudyBuddy.app](#) Nov 2025 – Dec 2025
Upload your notes. Get AI-generated flashcards. Chat with an AI tutor that knows all your content.

- Deployed a React and TypeScript study platform across Azure and DigitalOcean, supporting **50+ users** via Firebase Auth
- Architected an Express.js API using Azure Blob Storage and Azure OpenAI (GPT-4) for chat and flashcard generation
- Designed a MongoDB Atlas schema with 7 indexed collections powering **100+ notes, 50+ flashcards, and 200+ chats**