Ezra Newman

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EDUCATION

Boston University —*BA in Computer Science, BA in Philosophy*

September 2021 - May 2025

GPA: 3.98 Relevant coursework: Artificial General Intelligence, Natural Language Processing, Streaming Systems, Distributed Systems, Software Engineering, Combinatoric Structures, Formal Logic, Discrete Math, Engineering Analysis and Design, Philosophy of Value.

WORK EXPERIENCE

American Civics Exchange — *Software Engineer*

June 2025 - Present

Developed full stack software for an early stage prediction market startup utilizing both AI agents and hands on programming. Took broad independent responsibility while collaborating with a team to develop business critical features quickly.

Boston University — *Research Assistant for the Complex Analytics & Scalable Processing Lab*

January 2024 - September 2024

Developed a complex and performance critical from-scratch stream processing system to support novel research experiments in Go. High performance targets required diving deep into various Go language internals and concurrency primitives.

Boston University — *Teaching Assistant for Distributed Systems*

January 2024 - May 2024

Created new assignments and taught labs and office hours that regularly attracted more than forty students. Topics included analyzing and debugging distributed systems, distributed consensus, and fault tolerance.

Data For Progress — *Fullstack Software & Prompt Engineer*

May 2022 - January 2024

Developed automated processes for implementing public opinion surveys. Used large language models to automate editing and creating surveys, and to provide feedback to human analysts, automating 650 hours of employee time per year.

Sharp Square Capital — *Project Manager and Fullstack Engineer*

December 2020 - February 2022

Independent responsibility for all aspects of development and managing multiple interactive websites for speculative projects using AWS Lambda, Python/Django, Postgres, and HTML/CSS/Javascript. The resulting tools required heavy optimization to run interactively at scale, improving runtime from several minutes to 1.2 seconds. Implemented production-ready web scraping and consumed live news APIs to track current events.

PRIZES

AI Math Olympiad Progress Prize Bronze Medalist 2025

Dean's List, Boston University

Phi Kappa Beta Member

TECHNOLOGY

Experienced deploying Large Language Models (LLMs) as autonomous agents both for decision-making and workflow automation

Fluent in Go, Python, Java, and Kotlin development

Proficient with Flutter/Dart and OCaml

Experience writing performance-critical systems to run at scale

Proficient with Amazon Web Services (AWS) and Google Cloud Platform (GCP)

Full-stack development with a focus on back-end

SKILLS AND ACTIVITIES

Hobbies: Philosophy Politics and Economics Society Executive Board, Woodworking, Board games, Sailing, Skiing, Cooking, Travel

GETS ME UP IN THE MORNING

Making new things, grappling with new ideas, and the rush from solving a hard problem.