

# 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 includes 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

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

January 2025 - September 2025

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 analysing and debugging distributed systems, distributed consensus, and fault tolerance.

### **Data For Progress** — *Fullstack Software & Prompt Engineer*

May 2022 - January 2024

Developed automated processes for implementation of public opinion surveys. Used large language models to automate editing and creation of surveys and to provide feedback to human analysts and automate rote question editing, 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 tool runtime from several minutes to 1.2 seconds. Implemented production-ready web scraping and consumed live news APIs to track current events.

## 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.