Seamus Sutula

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EDUCATION

Boston College, **Morrissey College of Arts and Science**   **Chestnut Hill, MA**

B.S, Computer Science   *Graduation: May 2025*

Minor: Philosophy
Overall GPA: 3.85
Relevant Coursework: Data Structures and Algorithms, Deep Learning, Human-AI Interaction, Robotics, Natural Language Processing

WORK EXPERIENCE

Boston College, Department of Computer Science   **Chestnut Hill, MA**

Teaching Assistant   *January 2024 - present*
- Instructed students in Python programming fundamentals through weekly office hours and classroom sessions.
- Developed and evaluated assignments for a class of 60+ students, ensuring understanding of course material.
- Implemented data analysis and machine learning techniques on student experience data to optimize lecture topics and assignments.

Zoominfo   **Waltham, MA**

Software Engineering Intern   *June 2024 - August 2024*
- Optimized count estimation processes through in-depth Solr query data analysis and advanced data estimation techniques, leveraging Python, Solr, Snowflake, and Apache DataSketches frameworks.
- Developed and recommended an innovative solution that reduced query latency by up to 70%, slated for production implementation.
- Gained comprehensive insight into the software development lifecycle through proactive engagement with senior management, focusing on project management, resource allocation, and interdepartmental collaboration.

The GBCS Group   **Remote**

Backend Developer Intern   *May 2023 - August 2023*
- Demonstrated proficiency in rapidly acquiring and applying software development tools, including JavaScript, Node.js, Firebase, and Postman.
- Architected and implemented an API framework to facilitate efficient data retrieval from backend systems and seamless frontend communication.

PROJECTS AND LEADERSHIP EXPERIENCE

Decodables

Technical Co-Founder and Lead Engineer   *October 2024 - present*
- Collaborated with university peers and alumni to develop a scalable, user-friendly website offering personalized reading experiences for young low-level readers.
- Spearheaded the creation of a custom prompt-engineering pipeline for integration with multiple large language models.
- Designed and implemented an interactive front-end interface and a robust back-end API architecture using FastAPI, React, Node.js, and Google Firebase.

Boston College AI Safety Society

President and Founder   *August 2024 -
present*
- Established and led a new student organization dedicated to exploring AI alignment through comprehensive discussions and research on AI development, policy, and regulation.
- Designed and implemented a custom curriculum for weekly seminars, covering topics ranging from high-level AI overviews to in-depth analysis of AI models, in collaboration with parallel organizations at Harvard and MIT.

SKILLS

Python • Java • C • JavaScript • Linux • Git • sklearn • Solr • Snowflake • Numpy • Pandas • PyTorch • TensorFlow • Excel