

Michael Krah

mickra@bu.com | (207) 232-1509 | www.linkedin.com/in/michaelkrah | michaelkrah.com

EDUCATION

Boston University | Boston, MA Expected May 2025

B.A. in Computer Science, Minor in Data Science

GPA: 3.98

National Merit Scholarship Recipient

Relevant Coursework:

Software Engineering, AI and Machine Learning, Database Design, Object-Oriented Programming, Linear Algebra, Probability in Computing, Fundamental Data Structures, Algorithm Analysis, Computer Graphics, Computer Systems, Distributed Systems

Yarmouth High School | Yarmouth, ME 2017 – 2021

Graduated Summa Cum Laude

EXPERIENCE

L.L.Bean | Freeport, ME Jun 2024 – Aug 2024

Data Engineering Intern

- Collaborated with stakeholders on the data marketing and marketing analytics team to identify and document requirements for Mixed Media Modeling In-Housing efforts, resulting in \$500,000 in annual savings
- Led cross-team effort to model order data flows for vendor reporting, compiling technical details and analyzing data across the enterprise data warehouse, highlighting gaps and discovering previously missed requirements
- Developed set of unit tests with Pytest, improving internal data pipeline reliability for large scale data extraction
- Applied analytical skills to assess business requirements and customer journeys for a pilot rental program, working with a team to present solutions for online integration to over 200 employees at all-hands IS meeting

Department of Computer Science | Boston University Jan 2023 – Present

Probability in Computing Course Assistant and Grader

- Led office hours, helping groups of 10-15 students with conceptual challenges and complex analytical problems
- Wrote rubrics, graded assignments, and provided comprehensive feedback for classes of 200 students
- Coordinated with fellow staff and professors to maximize availability and address course challenges

PROJECTS

Spotify Activity Visualizer

- Developed web application to interactively display historical and real-time Spotify listening data, currently hosted on personal website
- Used Node.js, Express, and HTML to render webpage; fetched listening data using the Spotify API; stored historical data in a MongoDB database

Covid Data Analysis

- Extracted Covid data from disparate sources to conduct in-depth analysis of policy impact on factors such as cases, deaths, and recoveries with a team of four
- Designed data pipelines in Azure Data Factory; loaded data in Synapse; analyzed and visualized data in PowerBI
- Created a detailed report highlighting most important policies informed by data analysis

SKILLS

Programming: proficient in Python, Java, C, JavaScript, Golang

Tools: proficient in Git, UNIX, JSON, Node.js, HTML, CSS, SQL, Microsoft Azure, Google Cloud Platform

PERSONAL

Honors: National Merit Finalist, Dean's List (6 semesters), AP Scholar with Distinction, Suffolk Book Award

Language Skills: Fluent English and French, Intermediate German, Novice Spanish

Citizenship: American and Austrian Citizenship