

BENJAMIN MEYER

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EDUCATION

NORTHEASTERN UNIVERSITY

KHOURY COLLEGE OF COMPUTER SCIENCE

Candidate for a B.S. in Computer Science; Minor in Business & Math

GPA: 4.0/4.0

Relevant Courses: Object-Oriented Design; Probability & Statistics; Algorithms & Data; Mathematics of Data Models; Fundamentals of Computer Science 1 & 2; Discrete Structures; Tech & Human Values; Calculus 2 for Science & Engineering

Boston, MA

Sept 2022 - Present

Expected 2026

TECHNICAL SKILLS

Languages: Python, Java, HTML/CSS, Kotlin, SQL, TypeScript, JavaScript

Frameworks/Libraries: Node.js, Express.js, React.js, TailwindCSS

Technologies: Git, LaTeX, VSCode, JUnit, IntelliJ, PyCharm, Gradle, Maven

WORK EXPERIENCE

NORTHEASTERN UNIVERSITY

Teaching Assistant - Fundamentals of Computer Science I (CS 2500)

Boston, MA

Aug 2023 – Dec 2023

- Held **6** office hours weekly to help students with questions regarding course material, debugging code, and general advice surrounding Kotlin design.
- Graded homework, projects, and exams for **300~** students, providing detailed feedback for improving coding practices.

MATSON & ASSOCIATES

Software Engineer Intern

Kent, CT

May 2022 – Aug 2022

- Developed major features using HTML, CSS, & JS for the media viewing experience for a local news organization's website, impacting over **100+** users daily.
- Optimized clients' search rankings by **90%** in web loading times.
- Reported directly to the CEO to bring web mockups to life, iteratively adapting to evolving requirements.
- Built clients' websites that maintain responsiveness, accessibility, & usability without compromising aesthetics, focusing on the use of custom components for clean, maintainable code.

SELECTED PROJECTS – VISIT [GITHUB.COM/BENJAMINSMEYER](https://github.com/benjaminsmeyer) FOR A FULL LIST

GIVEBACK

Stanford, CA

- Built a donate-to-nonprofit application with React & Python in a team of **3**, helping over **100+** organizations. Feb 2023
- Developed an intuitive donation tracking interface, introducing features such as a leaderboard highlighting top donations and a personalized donation tracker for each user using FastAPI.
- Engineered an algorithm using natural language processing to determine the similarity between users' criteria and nonprofit organizations to match them accordingly.

BATTLESALVO

Boston, MA

- Developed and documented a battleship-variant, supporting online and offline features, separating concerns with the model-view-controller architecture. June 2023
- Designed a robust multiplayer functionality following the proxy pattern principle, enabling online gameplay experiences through sockets.
- Created a dynamic single-player mode with AI-trained opponents through probability mapping.
- Engineered the program with a robust architecture that allows for modifications, scalability, and extension to accommodate future features by following Object-Oriented principles.

LEADERSHIP & AWARDS

Computer Science Coalition Club - Founder & President: Oakland, CA

Aug 2022 - May 2023

Northeastern University - Student Leadership Award: Boston, MA

May 2023

Inspirit AI - Advanced Intro to Artificial Intelligence Certification: Westchester, NY

June 2021

ADDITIONAL INFO

Interests: Music, Tennis, Biking, Skiing, Hiking, Science Fiction, Watching Movies, Programming, & Computer Science.