

Hamza Shemsu

(617) 233 1363 | hshemsu24@amherst.edu | Cambridge, MA | [LinkedIn](#) | [GitHub](#) | [Personal Website](#)

EDUCATION

Amherst College | Amherst, MA - *Cumulative GPA: 3.73*

Expected Graduation: May 2024

Bachelor of Arts / Major: Computer Science

- Relevant Coursework: **Data Structures, Algorithms, Machine Learning, Algorithms and Visualizations, Computer Systems**

EXPERIENCE

Meta Above & Beyond Computer Science (ABCS) Fellow | Remote

August 2022 – October 2022

Meta ABCS Fellow

- Completed an intensive mentorship program led by industry-leading software engineers, honing essential **data structure** and **algorithm** skills
- Utilized 15+ algorithms to solve Meta's leading coding challenges with a focus on optimizing time & space complexity

IBM Accelerate Program Participant | Remote

June 2022 – August 2022

Software Development Track

- Built responsive and user-friendly frontend web application leveraging **HTML, CSS, React** and **Material-UI**
- Implemented rest services for a backend project utilizing the **Express** framework

PROJECTS

Personal Website | HTML, CSS, JavaScript

May 2023 - Present

Developer

- Created and built a personal website utilizing **HTML, CSS, and JavaScript** to showcase my portfolio of projects and demonstrate my skills in web development
- Implemented interactive elements and animations using JavaScript and CSS transitions to enhance user engagement and create a visually appealing browsing experience

Agglomerative Hierarchical Clustering Visualizer | HTML, CSS, JavaScript

April 2023 – May 2023

Developer

- Designed and developed a web-based hierarchical agglomerative clustering visualizer using **HTML, CSS, and JavaScript**, enabling users to gain a clear understanding of the algorithm's process and results
- Optimized the performance of the visualizer by leveraging efficient **algorithms** and **data structures**, enabling the visualization of large-scale datasets while maintaining smooth and responsive user experience

Graham Scan Algorithm Visualizer | HTML, CSS, JavaScript

March 2023

Developer

- Developed an interactive webpage using **HTML, CSS, and JavaScript** to visualize the Graham Scan algorithm for convex hulls, allowing users to customize input points and step through the algorithm

LEADERSHIP & PROFESSIONAL DEVELOPMENT

Residential Life Community Advisor | Amherst College

August 2022 – Present

Nicholls Biondi Hall

- Organized and facilitated community-building initiatives, including social, cultural, and educational programs, fostering a cohesive and inclusive living environment for residents
- Administered administrative tasks such as budget management, maintenance coordination, incident reporting, and room transfers, ensuring efficient operations and smooth resident experience

SEO Career | New York, NY

June 2022 – Present

SEO EDGE Participant

- Engage in a comprehensive coaching and online learning program to enhance interview, technical, and professional skills
- Successfully complete industry-specific training, emphasizing the development of technical proficiencies, deep institutional knowledge, and meticulous attention to detail

SKILLS & INTERESTS

Technical: Java (Proficient), Python (Familiar), React/JavaScript/HTML/CSS (Familiar), C (Familiar) Jupyter Notebook, Excel

Languages: Amharic (Fluent), Spanish (Intermediate), Arabic (Elementary)