

Axusmawe A. ASMELASH

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OBJECTIVE: Looking for software engineering roles within company in the FinTech or SaaS industry. Preferably position has opportunity to work alongside driven and academically oriented peers.

EDUCATION

Data Science & Political Science — *Bachelor of Science* SEPT 2021 - MAY 2025

Center for Data Science & College of Arts and Science

Boston University, Boston, MA

- **Relevant Coursework:** Data Structures & Algorithms, Fundamentals of Computer Science, Machine Learning and A.I., Linear Programming, Linear Algebra, Programming in Rust & Python, Introduction to Computing

WORK EXPERIENCE

Dimensional Fund Advisors — *Software Engineering Intern* JUNE 2024 - AUG 2024

- Built Asset Database, a real-time data management system for 10,000+ desktops & servers using Python and SQL
- Reduced security anomaly analysis time by 67% by centralizing asset info using TypeScript and Angular GUI
- Accelerated software adoption by 100% for the Management team by deploying intern project in Docker & Redis

Boston University Spark! — *Frontend Designer* OCT 2023 - MAY 2024

- Partnered with 8 software engineers and 3 designers to develop 4 web applications for institutions in Boston
- Led the development of District 7, a bulletin board app for the city of Boston using Figma, ReactJs, and JavaScript
- Engineered 5 high quality and reusable web components using ReactJs and Storybook for clients website expansion

Dimensional Fund Advisors — *User Experience Intern* JUNE 2023 - AUG 2023

- Contributed to Dimensional.com, a core product for clients to access financial portfolios and interface with PMs
- Integrated accessibility considerations earlier in the design workflows for a global website overhaul across 12 countries
- Developed a webscraper that scanned 120 links for accessibility issues using Python, NodeJS, and Google API

TECHNICAL PROJECTS

Passion Project — *Energy Consumption Dashboard* AUG 2024 - ONGOING

- Created a digital dashboard tracking renewable energy consumption across the world using Tableau

HackMIT — *Generify* SEPT 2024 - SEPT 2024

- Led machine learning integration for a A.I. music generator that creates songs based on user prompts and preferences

Passion Project — *Random Forest Classifier* JUNE 2023 - JAN 2024

- Crafted a song similarity algorithm that pairs songs together for seamless transitions using Spotify API data

HackHarvard — *Pure Breath* SEPT 2023 - SEPT 2023

- Produced a risk-point algorithm for users with respiratory illnesses, coding in Python to analyze air pollutants

LEADERSHIP

Unity and Social Quality Initiative (Startup) — *Cofounder* AUG 2022 - PRESENT

- Pitched Oasis, a digital mental wellness app that secured \$250 in funding and mentorship from BostonU's incubator
- Drove user acquisition for a rate-my-dorm website through effective marketing on Canva growing active users by 2x

Black Student Union — *Executive Planning Committee* OCT 2022 - JAN 2024

- Forged partnerships with all 12 African and African American clubs on campus, resulting in 8 collaboration events
- Facilitated communication with UMOJA's 30+ group members to book events and allocate \$20,000 in club funding

ACHIEVEMENTS

- Jopwell I+D Candidate | *Selected from 600+ candidates*
- Boston University Scholarship | *Awarded*
- Dean's List, College of Arts and Sciences | *2x recipient*
- QuestBridge Fellow & QuestBridge Scholar | *Selected 16 from 2,000+ applicants*
- Federal Foreign Language Academic Fellowship | *Awarded to 15 from 1,500+ applicants*

SKILLS

- **Languages:** Python (*PyTorch, Django, Flask*), HTML/CSS, JavaScript (*React, Angular*), TypeScript, Oracle SQL
- **Technical Tools:** AWS, Tableau, Figma, Docker, Redis, Git, Microsoft Suite, Excel, VMware