

# Axusmawe A. ASMELASH

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OBJECTIVE: Looking for software engineering roles with a company in the FinTech or SaaS industry. Preferably position has opportunity to work with machine learning, cloud-computing, and data science.

## 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 2025 - AUG 2025

- 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

## SKILLS

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