ANDREA LOPEZ

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EDUCATION

Boston University, College of Arts and Sciences (BOSTON, MA)
BA in Computer Science & Psychology

August 2019 - May 2023

Relevant Coursework: Introduction to Computer Science I & II, Combinatoric Structures, Geometric Algorithms, Computer Systems, Introduction to Analysis of Algorithms, Probability in Computing, Concepts of Programming Languages, Fundamentals of Computing Systems, Software Engineering, Introduction to Database Systems, Computer Networks, Applied Cybersecurity, Computer Networks Security, Machine Learning for Business Analytics

ACADEMIC HONORS & AWARDS

Firestarter Award   **May 2023**

Dean's List   **Spring 2020 - Spring 2022**

PROFESSIONAL EXPERIENCE

Ignite Co-Director   **Fall 2022 - Spring 2023**
- Drove unity among BU STEM clubs via curated events, leading monthly cross-club meetings for budgeting, event coordination, and resource allocation.
- Ensured budget efficiency, skillfully managed funds; compiled compelling annual report to secure sustained funding.

Software Engineering
- Successfully coordinated full-stack project delivery, contributing to frontend and backend development while consistently meeting client deadlines.

My Life My Choice (MLMC)   **Spring 2022, Spring 2023**
Programming Language: Ruby, HTML/CSS
- Collaborated with the My Life My Choice (MLMC) organization to develop a Ruby on Rails app that provides survivors of sexual exploitation with a private and secure platform to access the necessary resources.
- Upgraded debugging prowess via code analysis and optimizing inherited codebase for efficient performance.

Migrant Misrepresentation   **Summer 2022**
Programming Language: Python, HTML/CSS
- Engineered a Python-based website via Flask and HTML/CSS that highlighted immigrant misrepresentation in global news.
- Enhanced web proficiency across frontend and backend realms.

Project Management
- Simultaneously coordinated multiple projects, consistently achieving client-set deadlines and enhancing efficiency
- Facilitated progress-discussions in meetings and effectively assigned tasks to ensure continuous workflow within the team

D7 Dashboard   **Spring 2023**
- Spearheaded a team to enhance a web application for District 7, Massachusetts, fostering real-time interaction between Councilor Tania Fernandes Anderson and the community.
- Orchestrated effective team-councilor communication, bridging gaps and ensuring project success.

Black Women M.D. Network (BWMDN)   **Fall 2022 - Spring 2023**
- Guided a year-long Engineering Capstone team in successfully delivering a fully-deployed website that empowers black women doctors through a transformative platform, enabling coaching, opportunities, and career resources.

Data@Spark!   **Fall 2022 - Spring 2023**
- Orchestrated development of a centralized platform at Spark! for effortless data access, enhancing user accessibility.
- Directed consecutive teams, ensuring seamless transition by creating comprehensive handoff documentation.

Spark! Applicant Portal   **Summer 2022**
- Led team in enhancing BU Spark! application site, enabling students to secure tech roles and elevate careers through experiential learning.

SKILLS

Soft Skills
- Spanish Fluency   • Attention to Detail   • Teamwork   • Adaptability   • Communication (Written and Verbal)

Technical Skills
- Python   • Javascript   • C/C++   • HTML/CSS   • MySQL   • Java