

# Alessandra María Lanz

## Undergraduate Student at Boston University

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## Skills

Spanish as First Language, Microsoft Azure, Java, Python (Programming Language), C/C++, Git, GitHubLaTeX, Figma, UI/UX Design, Overleaf, Microsoft Office Suite, Adobe InDesign, Adobe Illustrator, Adobe Photoshop, Public Speaking, and data collection and analysis.

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## Experience

### Momentum Consulting Corporation / Digital Transformation Intern

2023, Miami, FL

Intern on Digital Transformation Team providing IT Services and IT Consulting through enterprise application development and systems integration to portal, cloud and mobile development. Assisted in migrating and recovering sites using **Microsoft Azure**.

### Clinical Research Center Internship / Data Analyst

2021 - 2022, Miami, FL

Retrospective data acquisition and analysis of patient charts from medical clinics for submission to a peer-reviewed medical journal. Responsible for collecting patient's information and clinical data from their visits to case report forms and transcribing encounters to the subject research charts

**Reference/ Publication:** Lanz AM, Chartrand EC, Eisenlohr CP, et al. Impact of Pneumococcal Vaccine on Chronic Cough Symptom Exacerbations and Medication Use in Young Adults. *Vaccines* 2022 Jan 30; 10(2):219; <https://doi.org/10.3390/vaccines10020219>.

### Living Instruments for Others (LIFO Missions) / Lead Volunteer

2020 - 2023, Dominican Republic

Water aqueduct pipeline construction and medical/ dental health clinic in the Dominican Republic for several households in the villages of San Felipe, Jumunuco, and Corosito.

### Hogar Elena y Juan/ Fundraising Coordinator

2016 - Present, Miami, FL

Coordinate fundraising events and clothing drives. Collect and send gently used clothes to the orphanage in Antioquia, Colombia.

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## Projects

### Civic Tech Hackathon / Education Track Candidate (Front-End)

2023, Boston, MA

Tech oriented competition bringing students at all computer programming skill levels to solve critical societal issues surrounding education, election turnout, and government policy rooted in social welfare. Developed a website and an app prototype in 24 hours using **GitHub, Figma, GoogleSites, Spyder** to connect girls in the public school systems with female mentors working in or studying STEM to inspire younger girls to go into STEM fields and provide them with a network of support.

### HackDartmouth / Healthcare Track Candidate (Front-End)

2023, Hanover, NH

Tech oriented competition bringing students at all computer programming skill levels to develop software and hardware projects surrounding the topics of education, blockchain, gaming, clean tech, and healthcare. Developed a website and an app prototype serving as a secure data-base for all of one's healthcare needs (health history, nearby pharmacy locator, medical documents, etc...) in 24 hours using **GitHub, Figma, Convex Console, Clerk, Squarespace, Facebook Messenger App, Dropbox, VS Code Live share**.

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## Education

### Boston University / BA, Computer Science and Biology

September 2022 - May 2026, Boston, MA

Activities and societies: Kilachand Honors College, Alianza Latina, Latin American (LATAM) Student Association Member, Students of Caribbean Ancestry (SOCA) Club Member, BU Barbell Member, BU Outing Club Member

### Palmer Trinity School / High School Diploma, General Studies

August 2020 - May 2022, Miami, FL

Activities and societies: Captain of the Varsity Girls Golf Team, Future Doctors of America Founding President, National Honors Society Member, La Sociedad Honoraria Hispánica Member, Model UN Delegate, Solar Car Team Member.

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## Relevant Coursework

### Previous Courses (taken):

EC 101: Introductory Microeconomic Analysis  
EC 102: Introductory Macroeconomic Analysis  
CS 111: Introduction to Computer Science 1  
CS 112: Introduction to Computer Science 2  
CS 131: Combinatoric Structures  
MA 121: Calculus I  
EC 201: Intermediate Microeconomic Analysis

### Fall 2023 Courses:

CH 101: General Chemistry 1  
BI 107: Biology 1  
CS 132: Geometric Algorithms  
CS 237: Probability in Computing

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## Professional Certifications

Microsoft Certified: Azure Developer Associate  
Credential ID: CD2360075E3A1592  
Date Earned: July 26, 2023

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## Links

LinkedIn: [alessandra-maria-lanz-34004722a](#)  
GitHub: [alessandralanz](#)

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## Interests

Cooking, Painting, Chess, Powerlifting, Hiking, Outdoor recreation, and Volunteer work