Melissa Regalado

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Portfolio: https://melreg6.github.io/melreg/ **Github:**https://github.com/melreg6/portfolio

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EDUCATION **Boston University College of Engineering -** *Bachelor of Science, Computer Engineering*

MAY 2026 |Chicago Scholar `

SKILLS

Programming: Python, Unix, C, C++, Matlab, Assembly, Java,R, HTML, CSS , Verilog, Cadence Virtuoso

Other: Drill Press, Soldering, Microsoft Office, Visual Studio, Arduino, Microsoft Excel, PowerPoint, Word, Spanish fluency

EXPERIENCE

Boston University Undergraduate Visitor Center, Boston, MA — *Student Admissions Representative* May 2023 - PRESENT

Actively engage with prospective students, providing details about admissions and academics, and showcasing strong communication and interpersonal abilities. Worked as a BU Tour Guide, Scarlet Speaker, and Student Admission Representative.

Intergenerational Literacy Program, Chelsea, MA — *Intergenerational Literacy Tutor*

September 2021 - May 2023

Utilize English language proficiency to provide personalized tutoring sessions to students of various ages and levels, creating a conducive learning environment and tailoring teaching methods to suit individual learning styles.

LEADERSHIP AND AFFILIATIONS

First Generation, Low-Income Partnership Executive Board @BostonU, Boston, MA — *Secretary*

September 2022 - May 2023

Demonstrated leadership skills to ensure the execution of events and efficient communication within the chapter, promoting a welcoming and supportive community for first-generation students at Boston University.

Admissions Student Diversity Board - *Member September 2023- Present*

Engaged and committed to making a tangible impact on creating an inclusive and welcoming campus community for students at Boston University.

Society of Hispanic Professional Engineers @BU - *Member*

Member of SHPE, promoting diversity and representation in engineering.

SELECT PROJECTS

Assistive Eating Utensil - *Designed and developed a mechanically actuated eating utensil to enable individuals who experience involuntary hand movements to allow independent eating.*

Image Processing using UART and FPGA - *A signal processing machine with UART and FPGA is used to darken, brighten, and invert images. MATLAB interfaces with the system, enabling efficient real-time manipulation of images through hardware-based processing.*

Additional Projects: Soil Hydration Monitoring Device, Truss Bridge Analysis, Room Temperature Sensor, Modeled a 6T SRAM with hierarchical bit-lines and local sense amplifiers (HBLSA) to evaluate scalability and optimize energy efficiency.