Leticia Leon-Rodriguez

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EDUCATION

California Polytechnic State University | San Luis Obispo, CA　　　　　　　*September 2022 - Present*
Bachelor of Science in Computer Science

TECHNICAL SKILLS

Programming Languages: Python | Java | Assembly | C | JavaScript | HTML | CSS
Developer Tools: PyCharm | IntelliJ IDEA| Visual Studio Code | Git

RELEVANT COURSEWORK

Data Structures | Object-Oriented Programming and Design | Computer Organization | Discrete Structures | Systems Programming | Design & Analysis of Algorithms

PROFESSIONAL EXPERIENCE

Undergraduate Research Assistant | San Luis Obispo, CA　　　　　　　*March 2024 - June 2024*
Understanding Social Networks and Mental Health in Computer Science and Software
Python / PyCharm
- Performed analyses on Cal Poly's Computer Science Department social network to find which groups of students felt stronger senses of belonging within the program
- Worked collaboratively with a team consisting of Computer Science Masters Student Rachel Izenson, BEACoN Scholar Julissa Hernandez Romero, and Computer Science faculty Dr. Threasea Migler

PROJECTS

GeoGraph | PolyHacks　　　　　　　*January 2024*
Python / ArcGIS
- Used Building footprints for the City of San Luis Obispo and LiDar projections of the area within the ArcGIS program to find missing building height information
- Data found was provided to the City of San Luis Obispo to be used for more accurate calculations of CO_2 emissions of non-residential buildings.

Game Simulation | CSC 203 | Object-Oriented Programming and Design　　　　　　　*March 2024*
Java / IntelliJ IDEA
- Worked in collaboration with a partner to integrate unique graphics and movements into a 2D game simulation.
- Developed an A* pathfinding algorithm using functional interfaces, abstract classes, and lists.

CAMPUS INVOLVEMENT

Cal Poly Society Of Women Engineers | San Luis Obispo, CA　　　　　　　*January 2024 - Present*
Diversity, Equity, and Inclusion Connections Chair
- Collaborated with other clubs to coordinate DEI events in collaboration. Worked with the DEI subcommittee to create a Diversity Calendar highlighting DEI Holidays. Researched and created graphics for each Holiday highlighted.