JORDY

Computer Engineering Student

University of Utah

JORDY A. LARREA RODRIGUEZ

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Summary

Sophomore, first-generation student at the University of Utah pursuing a BS in Computer engineering and a Minor in Physics. With interests in embedded software engineering and in Machine Learning applications within the context of embedded systems.

Education

University of Utah | B.S. Computer & Electrical Engineering | Minor in Physics
AUGUST 2019 - PRESENT, Anticipated Graduation: 2023, SALT LAKE CITY, UT

Dream Center, Beacon Scholars Program (2019), Society of Professional Hispanic Engineers, ELEAP (2019), IEEE, Utah's Data Science Club, Dean's List (2019 - PRESENT), ***GPA: 3.88***

Professional Experience

McDonald's / Crew Member
MAY - AUGUST, 2019, SALT LAKE CITY, UT

- Specialized in customer service and communicated with customers in both English and Spanish.
- Worked collaboratively with crew members, supervisors and managers to create a pleasant eating experience for all customers.
- Managed inventory.

B&L Concrete / Laborer
SUMMERS 2016, 2017, and 2020, West Jordan, UT

- Assigned tasks to help the employed specialists.
- Used both hand tools and power tools to work with concrete.
- Operated Skid-Steer loader to dispose of rubble.

Skills

- Proficient in Microsoft Word, PowerPoint, and Excel
- Proficient with C++, Python 3, Java, and MATLAB (Scripting)
- Fluent in both Spanish and English
- Proficient with the Arduino platform (including design in Fritzing and LTspice) .
- Proficient with Eclipse, MATLAB, Visual Studio Code, Arduino, Intellij, PyCharm, and Codelite development environments.

Awards & Recognitions

Dean's List	2019 - PRESENT
Larry & Gail Miller Enrichment Scholarship Recipient	2020 - 2023

Relevant Courses

University of Utah: Intro to OOP and Data Structs & Algorithms (Java), Intro to Circuit Design (LTspice and MATLAB), Linear Algebra & Differential Equations and Calculus 1-3, Intro to Mechanics and E&M and Physics 1 lab (MATLAB, lab equipment, and Tracker)
Udemy: C++ Course (STL) by Frank Mitropolous ([Certificate of Completion](#))

Personal and School Projects

- Assembled and soldered a quadcopter based on APM 2.8 flight board from parts.
- Designed, programmed and constructed/soldered a robot arm prototype on the arduino platform from four servos, a stepper motor, and other electronic components (diodes, buttons, etc).
- Designed a radio control circuit (LTspice) that interpreted analog input from a joystick as digital signals using op-amp comparator circuits. Signal was transmitted via radio signal using HT12 encoder/decoder IC's. (ECE 1240)
- I've implemented various data structures and classical algorithms, where I have intensively analyzed the running-times/efficiency of said algorithms from visualizations built on data I collected.