**JORDY**

Computer
Engineering Student
University of Utah

**JORDY A. LARREA RODRIGUEZ**

801.645-0788
jordy.larrearodriguez@gmail.com

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**Summary**

Junior, 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.

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**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: 3.81*

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**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, 2020, and 2021, 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.

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**Skills**

- Proficient with Microsoft Office suite and a multitude of IDE's (VS, VS code, Eclipse, Pycharm, etc)
- Proficient with C++,  Python 3, Java, MATLAB, JS, HTML, C#, and CSS
- Proficient with the Arduino platform (including design in Fritzing and LTspice)

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**Awards & Recognitions**

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

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**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, Software Engineering 1 and 2, Computer Organization, Probability and Stats for Engineers, Discrete Structures, Digital System Design.
**Udemy:** C++ Course (STL) by Frank Mitropolous (Certificate of Completion)

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**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)
- Collaborated with a partner to program (C#) a TCP server and game from course provided interfaces and specifications.
- 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.
- Personal Website written by me using HTML, JS, and CSS. (jordylarrea.me)