

**JORDY**  
**Computer**  
**Engineering Student**  
**University of Utah**

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**JORDY A. LARREA RODRIGUEZ**

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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 | **GPA: 3.81**  
**Udemy:** C ++ Course (STL) by Frank Mitropolous ([Certificate](#))  
**Coursera:** Machine Learning Course by Andrew Ng (Stanford University)

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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, C#, Java, MATLAB, JS, HTML, and CSS
  - Proficient with the Arduino platform (including design in Fritzing and LTspice)
  - Familiarity with PlatformIO and Qt frameworks
  - Proficient with Linux and Windows
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**Extra-Curriculars**

- Treasurer of the Society of Professional Hispanic Engineers chapter at the University of Utah.
  - Student member of IEEE and Utah's Data Science Club.
  - Engineering LEAP mentor for three under-classmen (mentor for minorities in engineering).
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**Awards & Recognitions**

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

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**Work 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.

**Personal and School Projects**

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- 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.
  - Implemented a random phrase generator that constructed phrases from grammar files.
  - Personal Website written by me using HTML, JS, and CSS. ([jordylarrea.me](http://jordylarrea.me))