

# LIAM O'DONNELL

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## Contact

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## Education

### BACHELOR OF SCIENCE, CIVIL ENGINEERING

Iowa State University, 2017-2021

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## Skills

- **MYSQL/MYSQL Workbench**
  - **Python**
  - **Numpy**
  - **Pandas**
  - **Matplotlib**
  - **Seaborn**
  - **ML with Pyspark**
  - **Scikit Learn**
  - **TensorFlow**
  - **Statistical Modeling**
  - **Microsoft Excel**
  - **Microsoft Power Query**
  - **Microsoft Office Suite**
  - **Tableau**
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## Certifications

THE ULTIMATE MYSQL BOOTCAMP, UDEMY

PYTHON FOR DATA SCIENCE AND MACHINE LEARNING BOOTCAMP

CIVIL ENGINEERING FE EXAM

Results-driven Engineer with three years of project management experience in a team environment. Skilled in using SQL and Python, including popular machine learning and deep learning libraries. Additionally, proficient in Tableau, Excel, and Microsoft Power Query to visualize and present data-driven insights. Seeking to leverage experience and skillset to obtain a position as a Data Scientist/Analyst.

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## Professional Experience

### | ASST. PROJECT MANAGER/PROJECT COORDINATOR

Alberici Constructors / September 2022 - Current / Windsor, ON

- Lead team member for managing foundation's scope for \$4 billion automobile battery plant.
- Managed scope changes, RFIs, submittals, and quality coordination for pile driving and concrete subcontractors.
- Built Natural Language Processing (NLP) model to categorize invoice items. Decreased the total time to complete this task by 95%.
- Created project badging database to expedite process of auditing project time sheets using Microsoft Power Query.
- Utilized LEAN practices: last-planner system, daily and weekly coordination to create efficient flow between subcontractors.
- Created progress tracking maps using Tableau to illustrate work progress to the client and coordinate daily with field team members.
- Automated weekly administrative tasks using Python
- Cleaned mass field data using pandas library within Python.
- Built machine-learning model using Sklearn learn to forecast field output in future weeks using weather data, manpower, and additional variables.

### | QUALITY/PROJECT ENGINEER

Alberici Constructors / May 2021 - April 2022 / Kingsland, GA

- Apart of project team tasked with rehab King's Bay Dry Dock - one of the largest dry docks in the world (\$554.4 million project).
- Managed night shift's Quality Control/Assurance program.
- Coordinated schedule/inspections for (4) subcontractors and responsible for tracking/communicating schedule progress with client.
- Gained valuable experience in client/craft relations, protective coating systems, and visual weld/structural component acceptance inspections.

### | PROJECT ENGINEERING INTERN

Alberici Constructors / May 2020 - August 2020 / Indianapolis, IN

### | FIELD ENGINEERING INTERN

Kiewit Infrastructure / May 2019 - August 2019 / Lead, SD

### | ESTIMATING INTERN

Kiewit Infrastructure / May 2018 - August 2018 / Omaha, NE

### | OFFICE ENGINEERING INTERN

Kiewit Infrastructure / May 2017 - August 2017 / Omaha, NE