

# Andrew J Leonard

Hacker / Coder

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## EXPERIENCE

### ALDI US

05/2021 – present

#### *Senior Supply Chain Analyst*

**Batavia, IL**

- Creator of the “raldi” (**R**) package, an implementation of Domain Driven Design (**DDD**) – reduced the amount of time required for development by **more than 50%**
- Performed comparative analysis of Extract/Transform/Load (**ETL**) applications – reduced user license expenses by **\$1.4 million** per year

11/2018 – 04/2021

#### *Merchandise Supply Analyst*

**Batavia, IL**

- Utilized **econometrics** and **anomaly detection** to optimize the allocation of holiday products – reduced the company average out of stock from 11% to **less than 3%**
- Collaborated with industry experts to create data-driven solutions with **R, SQL, Hadoop, and Tableau**

### CONSOLIDATED GRAIN AND BARGE

02/2017 – 08/2018

#### *Junior Trader*

**Mandeville, LA**

- Developed a **Python**-based web app to provide customers with quotes for exotic options - reduced time to provide quotes from a 30-minute delay to **real-time**
- Co-managed the market risk exposure for each portfolio of exotic and exchange traded derivatives

11/2016 – 01/2017

#### *Business Development Analyst*

**Mandeville, LA**

- Implemented new strategies to streamline data wrangling and pre-processing for **machine learning** models

05/2015 – 10/2016

#### *Grain Merchandiser*

**Gladstone, IL**

- Responsible for expanding grain origination in southeast Iowa and west central Illinois for **3 country elevators** and **3 river terminals**

06/2014 – 08/2014

#### *Grain Merchandiser Intern*

**Gladstone, IL**

- Established a working knowledge of exchange traded derivatives, forward contracts, hedging, and cash commodities in the marketplace
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## EDUCATION

### UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

2010 - 2015

#### *Bachelor's Degree of Science*

- Agricultural & Consumer Economics
- Technical Systems Management

06/2015 – 08/2015

#### *Lemann Scholar*

**Rio de Janeiro, Brazil**

- Assisted Dr. Werner Baer in the analysis of agricultural economics and trade in Brazil

06/2013 – 08/2013

#### *Lemann Scholar*

**Rio de Janeiro, Brazil**

- Assisted Dr. Werner Baer in the analysis of Brazil's infrastructure in preparation of the World Cup and Olympic Games
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## SKILLS

- **Scripting Languages:** R and Python
- **Query Languages:** SQL, Oracle, Impala and Hive (Hadoop)
- **Data Visualization:** Tableau, Shiny, Markdown, CSS/HTML, and Photoshop
- Domain Driven Design (**DDD**) and Extract/Transform/Load (**ETL**)
- **Machine Learning, Econometrics, Statistics, and Anomaly Detection**