Andrew J Leonard

Hacker / Coder – I like to figure out how things work

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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 the company's 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 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**