

Andrew J Leonard

Coder / Hacker / Teacher – I love to figure out how things work and I love to teach

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EXPERIENCE

ALDI US

05/2021 – present

Senior Supply Chain Analyst

Batavia, IL

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

11/2018 – 04/2021

Merchandise Supply Analyst

Batavia, IL

- Utilized [Econometrics](#) and [Anomaly Detection](#) to optimize the allocation of holiday products – **raised** the average **in-stock from 89% to 97%**
- 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** quote refresh **time from 30 minutes 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

- Automated the data-pipeline for company [Machine Learning](#) models using [Python](#) and Application Programming Interfaces ([REST APIs](#)) – **reduced** the **time** spent pre-processing USDA data **from 14 hours / day to 30 minutes / day**

05/2015 – 10/2016

Grain Merchandiser

Gladstone, IL

- Expanded 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

Tools

- Scripting Languages:**
[R](#), [Python](#), [PowerShell](#), [JavaScript](#)
- Query Languages:**
[T-SQL](#), [Oracle SQL](#), [Impala](#) and [Hive](#) ([Hadoop](#))
- Data Visualization:**
[Tableau](#), [Shiny](#), [Markdown](#), [CSS/HTML](#), [Photoshop](#)
- DevOps:**
[Git](#), [GitLab](#), [GitHub](#), [Bitbucket](#), [Docker](#), [Kubernetes](#)

Techniques

- Mathematics:**
[Machine Learning](#), [Econometrics](#), [Anomaly Detection](#)
- Design/Architecture:**
[Data Modeling](#),
Domain Driven Design ([DDD](#)),
Extract/Transform/Load ([ETL](#)),
Service-Oriented Architecture ([SOA](#)),
Continuous Integration/Continuous Deployment ([CI/CD](#))