

ANDREW J. DIEDRICH

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EDUCATION

University of Minnesota Duluth, UMD
Bachelor of Business Administration, August 1, 2014
Major: **Economics**, Overall GPA 3.55/4.00
2014 Academic Excellence Award in Economics Recipient

Udemy Online Courses

Advance CSS and Sass: Jonas Schmedtmann (**current**)
Modern React with Redux - Stephen Grider
Node with React: Fullstack Web Development - Stephen Grider
The Complete JavaScript Course 2018 - Jonas Schmedtmann
The Complete Web Developer in 2019: Zero to Mastery - Andrei Neagoie

EXPERIENCE

Portfolio: <https://andrewdiedrich.github.io/portfolio1.0/>

Web Development (Nov 2017 - present) **Github:** <https://github.com/AndrewDiedrich>

Languages/Libraries(HTML, CSS, Sass, Javascript, JQuery, Bootstrap, React, Redux, Nodejs, MongoDB, PostgreSQL, Jest, TypeScript)

- Built **React Apps** with **Redux** to handle users stored in **Mongodb** collections.
- Used **Node.js and Express** for communication between servers and authen.
- Used **Postman** for Get, Post, Put, Delete requests testing backend user creation and api input.
- Used **Bcrypt to Hash** user passwords on login.
- Experience deploying server and database using **Heroku**.
- Testing in React with **Jest**, and evaluating **coverage** of tests through deconstructed components.
- Integrated **TypeScript** in React app with API data props and non-returning functions.

Project: Eraid: <https://eraid.herokuapp.com/>

- With **Node and express**, integrated google authentication to create and store user data on backend **Mongo database**.
- Managed state with **Redux**.
- Utilized **Stripe api** to handle user credit card transactions reflecting a token balance.
- Used **Sendgrid** to create and handle mailer process from users generated email surveys and recorded data back to Mongodb collections from survey results.

EOS Rise Developer Workshop Denver, CO (October 2018)

OCI/EOS Tribe

- Connecting to EOS blockchain in testnet environment, create producing nodes and creating wallets.
- Overview of C++ Smart Contracts and staking procedures for local tokens for network resources.

Workforce Management Analyst Duluth, MN (February 2018 - August 2018)

Ascena Inc.

- Maintain and create monthly **Store Sales Plans** and allocate labor hours for all 1,000 stores in **MS Access and Microstrategy** according to financial, operational constraints and initiatives.
- Provide weekly reporting to executives and department team on Company KPI's verse comparable third party industry data.
- Visit and work with field managers to collect timing data to structure company wide Standard Operating Procedures for non-selling labor activity in stores.
- Worked with Visual, Store Operations, and Field Communication departments to create store reports and provide statistical analysis for various field communication messages.
- Troubleshoot reporting and database errors with IT, and provide **SQL** for mass store attribute updates in back-end merchandise database tables.
- Work with vendors to troubleshoot, update, and bring together IT departments to execute fixes for online field note and customer survey portal.

Store Sales Analyst Duluth, MN (March 2015 - February 2018)

Store Labor and Reporting Temp. Duluth, MN (November 2014 - March 2015)

Maurices & Dressbarn

- Created sensitivity, budgeting, auditing tools with historical data for future field compensation/bonus program planning in **MS Access & Excel**.
- ARI Global Fleet Management Service partner for all maurices company leased vehicle needs. Organized/approved vehicle pickups, insurance, and maintenance.
- Build Queries, Tables, Weekly Reports, and Forms in Microsoft Access and MicroStrategy data platforms to pull historical metrics for ad hoc pre/post, control group performance based analysis and field reports.
- Collaborated with IT on database updates, fixes, and provided basic **SQL** for backend table updates accommodating needs from merchandising and finance departments.

Undergraduate Research Opportunity Program Recipient Duluth, MN

University of Minnesota Duluth-Department of Economics, January-May 2014

Project Title: *Oil & Gas Production's Contribution to Texas Ambient Ozone*

Advising Professors: Dr. Jennifer Schultz & Dr. Christopher McIntosh

- Communicated with EPA's Director of Technology to receive data and collaborate on parameter and chemical choices.
- Consulted Chemical Engineering department staff at UMD on air quality measurements, chemical reactions, hydraulic fracturing processes, and ambient effects.
- Conducted time series, panel data, and one-way fixed effects regression analysis in SAS and Shazam of Texas county hydrocarbon readings and ozone levels on oil & gas production and multiple weather variables from NOAA and the EPA.
- Presented findings and research methodology at **UMD Undergraduate Research Opportunities Spring Symposium 2014**.
- **Full Text:** https://www.researchgate.net/publication/273259746_Oil_and_Gas_Production's_Contribution_to_Texas_Ambient_Ozone_Health_Implications

Midwest Undergraduate Data Analytics Competition Winona, MN

Winona State University, April 2014

- Analyzed Minnesota based *Fastenal Co.* sales data and market indices to forecast future sales using **Shazam and SAS** software packages.
- Presented sales models, and suggested market indices having predictive power to *Fastenal Co.* executives and analysts.

Tutor Duluth, MN

University of Minnesota Duluth-Library Tutoring Center, Fall 2013-Spring 2014

College Reading & Learning Association-International Tutor Training Program **Certified Lvl. 2**.

- Private and walk-in tutored subjects for business and economics.

References Available Upon Request