

ANDREW ZESSAR

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Chicago

[PORTFOLIO](#)

[GITHUB](#)

[LINKEDIN](#)

SKILLS

JavaScript, React, Redux, HTML, CSS, Ruby, Ruby on Rails, Mongoose, MongoDB, Node.js, Express.js, SQL, SQLite3, PostgreSQL, Webpack, jQuery, Git, Heroku

PROJECTS

EtymoloGenius (JavaScript, Webpack, AM Charts)

[live](#) | [github](#)

A web application that maps a word's etymology and progression to English on a globe

- Leveraged the Oxford English Dictionary API to extract definitions, etymologies, and pronunciations as input data
- Wrote predictive algorithms that parsed through relevant input data, finding languages and other keywords to link entry words to applicable countries
- Utilized AM Charts to track coordinates and animate paths connecting all relevant languages' countries

Restaurant (Ruby, Rails, JavaScript, ReactJS, Redux, Webpack)

[live](#) | [github](#)

An OpenTable-inspired website allowing users to search restaurants and make mock reservations and reviews

- Created Ruby on Rails database storing arrays of users, restaurants, reservations, and reviews
- Employed ReactJS to organize components and frontend routing
- Stored pictures and other essential data through Amazon Web Service's S3 cloud storage system

Am I The Moral One? (MongoDB, Express.js, ReactJS, Node.js)

[live](#) | [github](#)

An application allowing users to compare their answers to controversial questions with the general populace

- Used Recharts to render aggregate data with on-click animations, giving users a graphical representation of their results
- Collaborated with classmates to build Mongo database, providing information for Redux state, simplifying database queries

EXPERIENCE

Senior Pricing Analyst

United Airlines

Jan 2018 - Jun 2020

- Utilized SQL, R, Excel, and several econometric methods to develop price optimization tests for Basic Seating Assignment and Preferred Seating Assignment, raising revenue per flyer over one dollar and total revenue by tens of millions per year
- Led pricing team and collaborated with IT in implementation of Preferred Seating and International Basic Economy products
- Mentored a team of junior analysts and interns, teaching airline basics related to pricing and revenue management

Operations Analyst

Equity International

Oct 2016 - Jan 2018

- Developed risks and red-flags analysis of a \$300M real-estate investment; presented findings to upper-level management
- Managed timeline for a \$30M follow-on investment in an international portfolio company, requiring comprehensive coordination across the firm, the portfolio company, and third-party advisors

EDUCATION

Web Development - App Academy

Fall 2020

Software development intensive in full-stack web development, including 1000+ hours of coding

BA - Northwestern University; *Economics, Mathematical Methods in the Social Sciences*

Spring 2016

- Honors Thesis: Collaborated with the NYPD Office of Management Analysis and Planning to quantify the relationships between drug crime and subsequent violent crime; analyzed over 3,000,000 points of arrests in evaluation of the NYPD's drug crime policy in each of NYC's 76 precincts; **2016 Dacey Prize Winner** (awarded to author of the major's best thesis)

MISCELLANEOUS

Other Skills: Spanish 8.5/10, Mandarin: 7/10, Excel, R, GarageBand, creative writing, piano

Other Interests: entrepreneurship, campaign volunteering, tennis, marathon running, basketball, *Jeopardy!*, sketch comedy