

MICHAEL XIE

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| WORK HISTORY

Infosys - Software Engineer

Indianapolis, IN • 06/2018 - Current

- Working in an agile environment with the largest US telecommunications company in analytics and reporting
- Extracting large amounts of data and writing more efficient SQL queries, drastically reducing query times
- Predicting user behavior by implementing machine learning algorithms including Random Forests, Logistic Regression, Naïve Bayes, SVM
- Utilizing Python and Tableau to optimize development goals by transforming complex data to create reports and visualizations

Marquette University - Computational Research Assistant

Milwaukee, WI • 06/2014 - 08/2016

- Gathered vast amounts of research data and communicated key findings through data visualizations, utilizing R and Excel
- Parsed focus group transcripts into tokens using R to find relationships between similar subjects, optimizing analysis by research leads

| PERSONAL PROJECTS

Arbitrage Social Trading (MongoDB, Express, React, Node, AWS)

- Led a development team to create a social platform for casual investors to analyze stock news and trends as a community
- Equipped with chart analysis (d3.js, recharts.js), news feeds from webhose.io API, and forums written natively in React

Sentiment Analysis of Bias in the Media (R, ggplot, shiny)

- Utilized natural language processing to quantify sentiment values of thousands of news article headlines split into tokens
- Used to analyze biases of media outlets based on key words and important topics found using topic modeling algorithms

| LEADERSHIP

University of Wisconsin Chess Club – President and Founder

Madison, WI • 10/2015 - 05/2018

- Founded and ran the first student led chess club on campus
- Affiliate club of the United States Chess Federation
- Sponsored by Red Bull North America

| SKILLS

- R (shiny, ggplot, XGBoost, machine learning packages)
- Python (NumPy, Scikit, Pandas)
- Databases (MongoDB, SQL)
- Full Stack Web - Javascript, Express, Angular, React, Node.js
- HTML5, CSS3, Bootstrap
- Tableau
- Excel, VBA
- Java
- Git
- AWS (S3, EC2)

| EDUCATION

University of Wisconsin

Madison, WI • 2018

Bachelor of Arts: Statistics and Economics

Minor: Computer Science

GPA: 3.30

Relevant Coursework: Financial Statistics, Full Stack Web Development, Analytical Finance, Applied Multivariate Analysis, Stochastic Modeling, Data Science in R

| WEBSITES

Personal

- xie-git.github.io

Projects and Repositories

- github.com/xie-git