

# Yida Yin

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## Objective

Programming enthusiast with strong mathematical and statistics background seeking for a data analyst position that involves in data mining, data visualization and machine learning.

## Education

|                                 |                        |
|---------------------------------|------------------------|
| University of Wisconsin-Madison | Madison 2016.9-2017.5  |
| Master of Science               | Statistics             |
| University of Wisconsin-Madison | Madison 2015.9-2016.5  |
| Visiting Student                | Statistics             |
| East China Normal University    | Shanghai 2012.9-2016.5 |
| Bachelor of Science             | Mathematics            |

## Relevant Skills

Mathematics

Mathematical Modeling, Differential Equation, Mathematical Analysis, Linear Algebra

Computer Science

Python, C++, Java, JavaScript, SQL, NoSQL, Spark, Web Scraping, Data Mining, MATLAB, R, Perl

Statistic and Data Science

Machine Learning, Nonparametric Statistics, Experimental Design, Statistical Inference, Time Series Analysis

## Related Projects

Tag Recommendation System of StackExchange.com

Built an automatic tag recommendation system for the Stack Exchange community by evaluating various machine learning models such as Latent Dirichlet Allocation topic modeling, KNN, neural network, etc.

Kaggle Competition: Distracted Driver Detection

Used a convolutional neural network to classify drivers' behaviors. Determine whether they are driving attentively, wearing their seatbelt, or taking a selfie with their friends in the backseat.

Q-Analogue generator written in Python

Wrote a program which can calculate most of the common quantum numbers and quantum polynomials.

A basic AI of GO written in C++

Implemented a computer AI that plays Go by using UCT algorithm and Monte Carlo Simulation in C++.

Zombie Simulator written in Python

Made a zombie simulation program which can load strategies of humans and zombies from files and simulate their behavior in a simulated world.

Portfolio built with React.js

Helped an industrial design majored senior year student build her online portfolio.

## Internship

|  |                             |      |
|--|-----------------------------|------|
| Data Analyst   | Dianrong.com                | 2016 |
| <ul style="list-style-type: none"><li>• Skills: Decision Tree Model, Logistic Regression, SQL, Python, Data Mining</li><li>• Worked in a team group environment.</li><li>• Built a Scorecard Model to measure and analyze each borrower's risks.</li></ul>   |                             |      |
| Full-Stack Data Scientist  | E-Capital Transfer Co., Ltd | 2016 |
| <ul style="list-style-type: none"><li>• Skills: Web Scraping, NoSQL, Python, JavaScript</li><li>• Crawled data from Internet and stored them into a NoSQL Database MongoDB.</li><li>• Built a company credit report system based on the scraped data.</li><li>• Built a company search engine in JavaScript.</li></ul> |                             |      |

## Awards

|   |      |
|---|------|
| Outstanding Undergraduate Thesis Award: <i>A q-analogue of Certain Combinatorial Identities</i> | 2016 |
|---|------|