

# Yida Yin

University of Wisconsin-Madison

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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

Master of Science & Visiting Student

East China Normal University

Bachelor of Science

Madison 2015.9-2017.5

Statistics

Shanghai 2012.9-2016.5

Mathematics

## Relevant Skills

Mathematics

Mathematical Modeling, Differential Equation, Mathematical Analysis, Linear Algebra

Computer Science

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

Statistic and Data Science

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

## Related Projects

Analysis of the Income from Interest and Dividends

Estimated the value of household income from interest and dividends based on a large dataset which has 25,822 entries and 645 variables with many missing values.

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

- Skills: Decision Tree Model, Logistic Regression, SQL, Python, Data Mining
- Worked in a team group environment.
- Built a Scorecard Model to measure and analyze each borrower's risks.

Full-Stack Data Scientist

E-Capital Transfer Co., Ltd

2016

- Skills: Web Scraping, NoSQL, Python, JavaScript
- Crawled data from Internet and stored them into a NoSQL Database MongoDB.
- Built a company credit report system based on the scraped data.
- Built a company search engine in JavaScript.

## Awards

Outstanding Undergraduate Thesis Award: *A q-analogue of Certain Combinatorial Identities*

2016