

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++, 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

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
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• 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