

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

Search for an undiscovered Lyman-break galaxy
Work with astronomer Christy Tremonti. Run a distributed computing algorithm on the HTCondor cluster which has more than 50,000 CPUs and search for an undiscovered Lyman-break galaxy on the SDSS database.

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.

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