


JIANCHAO YANG

hello@yjc.me · (857) 302-8393 ·  ktmud

Experienced Web Developer and aspiring Data Scientist
with a passion in building sensible data products.

EDUCATION

Georgia Institute of Technology MS in Computer Science <i>GPA: 3.66</i> Notable Courses: <i>Artificial Intelligence, Machine Learning for Trading, Operation Systems</i>	Online Jan 2018 - Present
Northeastern University MS in Data Science <i>GPA: 3.78</i> Notable Courses: <i>Information Retrieval, Unsupervised Machine Learning, Computational Statistics</i>	Boston, MA Sep 2016 - Dec 2018
Sichuan Agricultural University BS in Wood Science and Engineering <i>GPA: 80/100</i>	Ya'an, China Sep 2006 - Jun 2010

EXPERIENCE

Zillow Group <i>Data Science Intern, Emerging Marketplaces</i> <ul style="list-style-type: none">Rewrote an MSSQL and R-based ETL job in Hive/Spark and Airflow, reduced job runtime from 8 hours to 30 minutesBuilt a Tableau dashboard for rental listing analysis, pulling more than 10 filters and segment dimensions from 5 different data sources	Seattle, WA May 2018 Aug 2018
Grantham Mayo Van Otterloo & Co. LLC <i>Quantitative Developer Intern</i> <ul style="list-style-type: none">Created reusable MATLAB modules for generating monthly market-report PDF packsConsolidated data sources and managed job automation of multiple Asset Allocation portfolios	Boston, MA Jan 2018 Apr 2018
Boston Area Research Initiative, Northeastern University <i>Grant Research Assistant</i> <ul style="list-style-type: none">Collected, processed, and conducted geographical and temporal analysis on Massachusetts 2-1-1 dataFine-tuned multivariate regression and Random Forest models to understand human service demands across the stateCreated a web app to explore interactions between census and public health variables and to search 2-1-1 resources	Boston, MA Jan 2017 Dec 2017
Booking.com B.V. <i>Client Side Developer</i> <ul style="list-style-type: none">Generated and implemented more than 100 A/B testing ideas for conversion optimization	Amsterdam, Netherlands Sep 2014 Aug 2016
Douban Inc. <i>Front End Engineer</i>	Beijing, China Nov 2011 Mar 2014
Taobao.com, Alibaba Group <i>Front End Engineer</i>	Hangzhou, China Jun 2010 Oct 2011

PROJECTS

Life and Death of Great Open Source Projects

Scraped 30G+ user activity data from GitHub and analyzed them

Data Mining on Yelp and Census Data

Explored the explainability of neighborhood characteristics to local business dynamics using various clustering algorithms and data mining techniques, including K-Means, GMM, and PCA

Alcohol Accessibility and Business Density in the City of Boston

Constructed Alcohol Accessibility and Business Density scores using Business License and geographic data and analyzed the relationships between them

Massachusetts 211 Map

An interactive map written from scratch using VueJS and Leaflet, allowing users to compare up to 4 census and public health data variables at different geographic levels

Vuelastic & RelEval

A simple Elasticsearch web interface and a tool for faster search results relevancy evaluation

Morse Code Decoder

Implemented Hidden Markov Models to decode Morse code with noises, ranked 8/290 in class measured by word distance

Doubanj.com

Visualize reading history of douban.com users using D3.js, also recommend similar users based on reading tastes

David, a Light-weight CMS

A modular Flask app built on top of SQLAlchemy