

EDUCATION

Northeastern University M.S. in Data Science, <i>Khoury College of Computer and Information Science</i> GPA: 3.66 Notable Courses: Machine Learning, Algorithms, Information Retrieval, Computational Statistics, Complex Networks	Boston, MA Sep 2016 - Dec 2018
Sichuan Agricultural University B.S. in Wood Science and Engineering (Interior and Furniture Design)	Ya'an, China Sep 2006 - Jun 2010

EXPERIENCE

Zillow Group <i>Data Science Intern, Emerging Marketplaces</i> <ul style="list-style-type: none">Migrated the backend of an industry-facing data product from offline MSSQL/R aggregation to Airflow jobs running on Hive, Spark, and AWS S3 Data Lake, reduced job runtime from 8 hours to 30 minutesDefined KPIs for rental listing analysis, built a Tableau Dashboard that incorporates 12 user and listing filters/segment dimensions from 5 different data sources	Seattle, WA May 2018 - Aug 2018
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GMO LLC <i>Quantitative Developer Intern</i> <ul style="list-style-type: none">Created reusable and easily-configurable MATLAB modules for complex financial data visualizationsRefactored code, consolidated data pipelines, streamlined job automation for Asset Allocation models, improved the usability and stability of portfolio management tools	Boston, MA Jan 2018 - Apr 2018
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Boston Area Research Initiative, Northeastern University <i>Research Assistant</i> <ul style="list-style-type: none">Collected, processed, and conducted geographical and temporal analysis on census and public health dataFine-tuned generalized linear models and tree-based models to understand human service demands across MassachusettsImplemented proof-of-concept of a new capacity-aware school assignment algorithm for Boston Public SchoolsComprehensively evaluated the new algorithm's impact on school access using multidimensional equality measures	Boston, MA Jan 2017 - Dec 2018
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Booking.com B.V. <i>Client Side Developer</i> <ul style="list-style-type: none">Proposed, executed, refined 100+ A/B testing experiments to optimize conversions for hotel bookings on mobile web	Amsterdam, Netherlands Sep 2014 - Aug 2016
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Curiosity China <i>Full Stack Software Engineer (Part-time)</i>	Beijing, China Dec 2012 - May 2014
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Douban Inc. <i>Front End Engineer</i>	Beijing, China Nov 2011 - Mar 2014
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Taobao.com, Alibaba Group <i>Front End Engineer</i>	Hangzhou, China Jun 2010 - Oct 2011
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SKILLS

Languages	Python, R, SQL, MATLAB, JavaScript, familiar with Java, C, C++, Bash
Tools	Tidymverse, Scikit-learn, Pandas, Tableau, Airflow, Tensorflow, Keras, Matplotlib, D3, NetworkX, Leaflet.js
Big Data	Hadoop, Spark, Presto, AWS EC2, AWS S3, AWS EMR

PROJECTS

Fine-grained Sentiment Analysis Trained multi-output/multi-class classifiers using TF-IDF and Word2Vec vectors, built an infrastructure for extensive model selection and hyperparameter tuning, created an interactive web app with D3.js to visualize real-time predictions	Nov 2018
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Data Mining on Yelp and Census Data Explored the explainability of neighborhood characteristics to local business dynamics using clustering algorithms and other data mining techniques, including K-Means, GMM, and PCA	Dec 2017
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Massachusetts 2-1-1 Map An interactive map written from scratch using Vue.js and Leaflet, allowing users to compare up to 4 census and public health data variables at different geographic levels	Jun 2017
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Life and Death of Great Open Source Projects Scraped 30G+ user activity data from GitHub using Parallel processing in R and analyzed user behavior patterns	Apr 2017
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