Chi Zhang

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EDUCATION

Tsinghua University   **Beijing, China**

Bachelor's Degree of Engineering in Construction Management   *August, 2014-June, 2018(expected)*

Double Bachelor's Degree in Business Administration   *August, 2015-June, 2018(expected)*

Rank:8/32 | GPA:88%

- Awarded General Performance Scholarship (5%), Tsinghua Scholarship for Scientific Research and Competition (10%)

INTERNSHIP

The Boston Consulting Group   **Beijing, China**

Beijing Office | Part-time Assistant   *Feb. 2017-Nov. 2017*

- Optimized fast moving customer goods business by market studying, data processing and analyzing, looking for business opportunities and visualization of research results.
- Processed and analyzed data collecting from a medical company for its strategy layout.
- Highly involved in due diligence of New Energy Vehicle (NEV) company, provided industry insight in organization and process, market size by analyzing sales data from various resources.

Morgan Stanley Capital International   **Beijing, China**

Risk Management Department | Research Assistant   *Jun. 2017- Jul. 2017*

- Cross validated European and American option pricing by Black-Scholes model and Monte Carlo simulation.
- Investigated different covariance matrix estimator performance in mean variance model of Markowitz portfolio theory with multi-iteration and Nonlinear programming Lagrange algorithm.

RESEARCH PROJECT

Semantic Analysis of Second-hand Housing Listing Advertising Slogan   **Beijing, China**

Institute of Real Estate Studies | Graduation Project sponsored by Natural Science Foundation of China   *Sept.2017-Present*

- Sampled headline of websites for developing and matching attributes of dictionary after gathering data from estate agents.
- Segmented and stemmed headlines for replenishing and optimizing dictionary after abstracting text to vector forms.
- Processed part of speech tagging, wording segmentation and word frequency statistics for titles of each agent websites.
- Analyzed different headlines of different estate agents, manager experience and the relevance between nature of housing resource and headline text and evaluated slogan words' influence on consuming behaviors.

Quantify Human Mobility Resilience under Disasters based on Social Data   **Beijing, China**

Institute of Construction Management | Assistant Researcher   *April 2017-Present*

- Utilized six million records from SNAP Gowalla dataset to research people mobility during and after disasters.
- Visualized distribution of human and calculated moving distance according to geographic coordinates.
- Analyzed human mobility characters by fitting power-law distribution on both natural and man-made disasters.
- Validate the inner mechanism and geo distribution of human mobility by calculating radius of gyration.

OTHER EXPERIENCE

Infrastructural Construction for Shima Primary School   **Hubei, China**

Planner and Leader   *Febuary,2016-November,2016*

- Raised over 110,000 dollars for construction material and equipment with the help of China Youth Development Foundation.
- Supervised students from civil engineering and architecture departments during setting down basic building draft.
- Completed construction of multifunction building over 360 m^2, including dormitory, multi-media classrooms and library.

SELECTED AWARDS

- Honorable Mention in Mathematical Contest in Modeling   2017
- Second place for Economic Analysis Contest of join office   2016
- Third place of Real Estate Planning Contest   2016

ADDITIONAL

- Languages: native in Mandarin Chinese; fluent in English (GRE: 325 TOEFL:108)
- Computer: C, Python, R, SPSS, SQL, HTML
- Vocal Music: Tsinghua University Students Art Choir