Curriculum Vitae

Name: Chi Zhang Gender: Male DOB: January 08, 1996
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EDUCATION BACKGROUND

THE UNIVERSITY OF TEXAS AT AUSTIN, TEXAS, USA **JUL 2019 – PRESENT**
M.A. in Economics, *Current GPA: 3.72*

NANJING AGRICULTURAL UNIVERSITY, NANJING, CHINA **SEP 2014 – JUN 2018**
B.A. in Agricultural Economics (Class 142), *Overall GPA: 3.84*

EXCHANGE PROJECT SPONSORED BY PURDUE UNIVERSITY **AUG – SEP 2017**

STANDARDIZED TEST **NOV 2020**
GRE: 323 (Quantitative: 169; Verbal: 154; Analytical Writing: 3.5)

WORKING BACKGROUND

CHINA DEVELOPMENT BANK, FUJIAN BRANCH **JUL 2018 – JUN 2019**
Worked as **the Bank Clerk in Credit Review Department**
- Conducted credit analysis, including analysis of financial statements, ratios, cash flow, and loan decisions;
- Conducted loan reviews, reported policy and underwrote exceptions to the Executive Loan Committee.

RESEARCH BACKGROUND

PAPER PUBLISHED/ACCEPTED

Zhang, Chi and Li, Xiangmei. (2018) "Impact of Climate Change on Food Production: An Empirical Analysis Based on Panel Data in Eastern Fujian, China," *Ecology Economy, 2018,34(08): 6-9*.

RESEARCH ASSISTANT & COURSE PAPER

- **R package: TSSCSynth** **AUG – NOV 2020**
  This package was set up to provide *a new two-step synthetic control method* (*TSSC*) developed by *Li and Shankar (2020)*. It comprises a formal test for the parallel trends assumption in the first step, and the application of an appropriate synthetic control method in the second step. After testing, the most appropriate synthetic control model can be determined.

- **R package: Synth.Infer** **AUG – NOV 2020**
  This package served to provide *a properly designed subsampling method* developed by *Li (2019)*. It can be used to obtain confidence intervals and conduct inference for average treatment effects estimated by synthetic control methods.

- **R package: FacSynth** **AUG – NOV 2020**
  This package was created to give a formal inference theory based on factor model approach to estimate causal effect, which was developed by *Li and Garrett (2020)*. Moreover, this package also proposed a new criterion to more accurately select the number of factors.

  All three R packages were conducted under the supervision of ***Dr. Kathleen Li****.*

- **RA Project: A Sentiment Classification of Movie Reviews** MAY – SEP 2020
  - Preprocessed raw text including tokenization, lemmatization and stop word removing;
  - Built word embedding models (*GloVe* and *word2vec*) to map words to vector;
  - Applied machine learning algorithms like *Random Forest, SVM, CNN* and so on to identified opinions in movie reviews and label them into positive, negative, and neural;
  - Used evaluation methods to measure the effectiveness of each text classifier.

  *This project was conducted under the supervision of **Dr. Jason Duan**.*

- **Course Project: The Streams Analysis of Pop Music in 2019** APR – MAY 2020
  - Applied model selection and regularization methods to derive the optimal predictive model possible for the stream of songs;
  - Segmented the songs into five groups through unsupervised algorithms like *Bayesian Logistic Regression, Hierarchical Rocchio* and so on;
  - Estimated the popularity trend for various groups throughout the year.

- **Course Project: What Influence Salesmen's Goal Orientation** NOV – DEC 2019
  - Employed *PCA method* for dimensionality reduction and thereby categorize variables into several segments
  - Used *Seemingly Unrelated Regression (SUR)* to find the relationship between the goal orientation and respondent's demographics.

- **Course Paper: The Impact of Higher Education on Educational Opportunity Equality in China** MAR – MAY 2020

  Applied *the Regression Discontinuity Design (RDD)* to analyze the effectiveness of enrollment expansion policy initiated in China in 1999 on mitigating the inequality of higher education opportunities among high school graduates with urban-rural divide or from different strata.

LEADERSHIP & COMMUNITY ENGAGEMENT

- Won the Third Prize in undergraduate division of 2018 IFAMA (International Food and Agribusiness Management Association) Business Case Competition in Buenos Aires, Argentina. APR - JUN 2018
- Participated in societal research on living qualities of rural migrant workers in Nanjing. OCT - DEC 2017
- Served as Dais Head of 6th Jiangsu Model United Nations Conference held in Nanjing University. MAY 2017
- Participated in the field survey on living qualities of farmers in Jiangsu organized by China Center for Agricultural Policy, Peking University. SEP 2016 - FEB 2017
- Served as the Secretary-General and General Director of 3rd Pan-Jiangnan Model United Nations Conference held in Nanjing University of Posts and Telecommunications. DEC 2016
- Participated in 12th China Model United Nations Conference held in Zhejiang University. NOV 2015
- Participated in *Student Research Training Program (SRT)*, studying relevant impacts climate change may have an impact on crop yield in some regions. SEP 2015 - MAY 2016

AWARDS

- Won the Second Prize Scholarship. MAY 2015
- Won the First Prize Scholarship. MAY 2017

- Awarded as the Outstanding Graduate. **JUN 2018**
- Won the Excellent Thesis Prize. **JUN 2018**

SKILLS & LANGUAGES

- Proficient in statistics software: *R, MATLAB, Python, STATA, SAS*.
- Bilingual: Native - Mandarin, Fluent - English.
- Proficient in typesetting system: *LaTeX*.