

# Xugan Chen (陈栩淦)

866 Yuhangtang Rd, Hangzhou 310058, China

Email: [xugan.chen@yale.edu](mailto:xugan.chen@yale.edu) | Tel: +86-188-6811-6256

Web: <https://www.xuganchen.com>

## Education

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- 2016-2020** School of Mathematical Sciences & Chu Kochen Honors College, Zhejiang University, Hangzhou, China
- B.S. in Mathematics and Applied Mathematics (with Honor)
  - B.A. in Finance (with Honor)
  - GPA: 3.85/4.0 (87.9/100)      Ranking: 1/16
- 2019** Yale School of Management, Yale University, New Haven, USA
- Visiting Student Researcher

## Research Interests

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Corporate finance, innovation, entrepreneurial finance, big data, unstructured data analysis, information extraction.

## Research Experiences

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- 2020-** Pre-Doctoral Fellow, Yale Economics / Tobin Center, Yale University, New Haven, USA
- Advisor: Song Ma (Yale) and Barbara Biasi (Yale)
  - Working on the “The Education-Innovation Gap and Its Consequences for Growth and Inequality”.
- 2019-** Research Assistant, Yale School of Management, Yale University, New Haven, USA
- Advisor: Song Ma (Yale) and Barbara Biasi (Yale)
  - Providing computation and programming work on the big data approach to measure the education-innovation gap, to characterize the content of higher education courses and to investigate its consequences.
- 2019-** Research Assistant, School of Economics, Zhejiang University, Hangzhou, China
- Advisor: Xingguo Luo (ZJU)
  - Focusing on the relation between insider trades and options market, and exploring the information transfer mechanism between stock market and options market.
- 2018-2019** Undergraduate Research Training, School of Economics, Zhejiang University, Hangzhou, China
- Advisor: Xingguo Luo (ZJU)
  - Used a deep learning approach to investigate the options pricing, proposed a new method of options pricing based on LSTM and showed the better out-of-sample prediction than other classic models.
- 2018-2019** Undergraduate Research Training, School of Mathematical Sciences, Zhejiang University, Hangzhou, China
- Advisor: Rongmao Zhang (ZJU)
  - Conducted the research on “Estimation and Prediction of VaR and CVaR Based on GARCH Model”.
  - Proposed a new class of multivariate asymmetric High-Frequency-Based Volatility (HEAVY) models based on decomposing realized volatility and portraying the leverage effect using high frequency data, performed its statistical inference and multi-step prediction.
- 2018-2019** Undergraduate Research Training, School of Economics, Zhejiang University, Hangzhou, China
- Advisor: Yizhong Wang (ZJU)

- Researched on the digital inclusive finance, specifically the digital credit system of Ant Financial.
- Explored the business model and risk control model of digital credit system through field visits, telephone interviews, etc. Collected data and used the econometric model to empirically analyze the effectiveness of digital credit system.

## Working Papers

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- 2019** “How Does Digital Inclusive Finance ‘Inclusive’? Based on the Investigation and Analysis of Ant Financial Service Digital Credit System”, with Yiwen Lu and Mengxuan Li.
- Second award in the 16th “Challenge Cup” College Students Extracurricular Academic Science and Technology Works Competition, 2019.
  - First award of the 3rd National Digital Finance and Quantitative Financial Case Competition, 2019. (232 teams from universities across the country.)

## Skills

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**Computer** Python, R, MATLAB, C++, SQL, Data Analysis and Visualization, Distributed Computing.

**Github** <https://github.com/wuganaa>

## Awards

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### Scholarship

- 2020** Outstanding Graduates of Zhejiang University, Zhejiang University  
Outstanding Graduates of Zhejiang Province, Education Department of Zhejiang, China
- 2019** Provincial Government Scholarship, Education Department of Zhejiang, China (*Top 10%*)
- 2018** Provincial Government Scholarship, Education Department of Zhejiang, China (*Top 10%*)  
Excellent Student Cadre, Zhejiang University  
Scholarship of Social Work, Zhejiang University
- 2017** National Scholarship, Ministry of Education of the People’s Republic of China (*Top 1%*)  
First-Class Scholarship for Outstanding Students, Zhejiang University (*Top 10%*)

### Competition

- 2018** Second Prize in National Finals of China Datathon Competition  
(*Focused on big data problems, 2,000+ students enrolled and 108 students were finalists*)  
Seventh Prize in the First UBS Global Quantitative Competition  
(*Focused on machine learning and finance, 1,000+ global students from nearly 300 universities*)  
The Honorable Mention Award of Mathematical Contest In Modeling

## Extracurricular Experiences

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- 2018** Deepsense Wisdom Technology (Beijing) Co., Ltd., Quantitative Researcher Intern
- 2018** Xinge Network Technology (Shenzhen) Co., Ltd., Quantitative Researcher Intern
- 2017** Volunteer Western-China (Tibet) Supporting-Education Activities, Volunteer Teacher
- 2016-2018** Qiushichao Student Associations, Zhejiang University, Vice Director of Promotion and Planning Center