

Jin F. Hang

CONTACT INFORMATION

Division of Humanities and Social Sciences

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EDUCATION

California Institute of Technology

Pasadena, CA

2010 - Present

• Ph.D. Candidate in Social Sciences; Expected Graduation: May, 2015

• M.S. in Social Sciences, May, 2012

Brown University

Providence, RI

2004 - 2008

• Bachelor of Arts in Physics and in Mathematical Economics

RESEARCH INTERESTS

Contract Theory, Social Network Theory, Electricity Market Design, Mathematical Finance

WORKING PAPERS

• *Optimal Procurement Contract when Electricity Price follows a Mean-Reversion Jump Diffusion Process*

• *Speed of Learning and Bottleneck in Social Networks*

CONFERENCE PARTICIPATIONS

• SoCal NEGТ Symposium (USC, 2012; Caltech, 2011)

• Southwest Economic Theory Conference (UCSD, 2012)

• NSF/CEME Decentralization Conference (Caltech, 2012)

TEACHING ASSISTANTSHIPS AT CALTECH

• Introduction to Economics (EC11, Winter 2013)

• Introduction to Law and Economics (Law33, Fall 2012)

• Law and Technology (Law134, Spring 2012)

• Methods in Applied Statistics and Data Analysis (ACM118, Winter 2012)

• Econometrics (EC122, Fall 2011)

WORK EXPERIENCES

Independent Consultant

Self-employed

2009 - 2010

• Contracted to analyze complex datasets, design financial models, and develop new quantitative methodologies

• Designed and wrote an analytical framework to interface with a html-based database system and to automate data reporting of its key metrics

• Constructed financial models to assess Fiber-optic, DSL, cable, and wireless communication businesses, and ran performance analyses

• Was part of a team to develop a forecast model and a financial business case to validate market opportunity for a mobile device manufacturer

Consultant at Mercator Partners

Boston, MA

2008 - 2009

- Collaborated with clients and colleagues to develop a \$500 million business case on convergent services and technology for a leading U.S. wireless provider
- Managed a four-week project on developing a methodology to track and analyze sales performances of premium customer services for a wireless provider
- Conducted research to build a data-driven forecast of a technology product; develop implications and recommendations for a industry-leading cable company
- Developed a need-based device portfolio strategy for a global handheld device vendor

Analyst at Lodestar Capital Group SF, CA Summer 2007

- Designed, developed, and tested new hedging mechanisms for a portfolio of closed-end funds
- Compiled databases of public companies on the Bombay and Shanghai Stock Exchange
- First intern to be entrusted to work with the complete source codes of all in-house strategies

FELLOWSHIPS AND AWARDS

California Institute of Technology

- Graduate Fellowship (2010 - Present)

Brown University

- Sigma Xi Science Honor Society (2008)
- Roy Splawn Foundation Scholarship (2004-2008)
- USA Funds Access to Education Scholarship (2004-2008)
- Horatio Alger Association Scholarship (2004-2008)
- Barker Family Foundation Scholarship (2006-2008)
- Chase Manhattan Undergraduate Research Fellowship (2007)
- Romer Undergraduate Research and Teaching Assistantship (2005)

Encinal High School Alameda, CA 2000 - 2004

- Alameda Rotary Club Scholarship (2004)
- Key Club Scholarship (2004)
- Golden Prize winner in the USA Math Talent Search competition, hosted by National Security Agency (2003)

SKILLS AND INTERESTS

Languages: Mandarin, Cantonese, and a regional Chinese dialect, Taishanese

Computer: R, Stata, Ruby, Java, Pascal, Awk, VBA, Unix shell script, MATLAB, Mathematica, FAME database, Access database, and Excel

Interests: Gardening, cooking, trail running, playing capoeira, and practicing taichi chuan

Last updated: Jan, 2013