

# YUE GU

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## EDUCATION

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**Columbia University**

**New York, NY, USA**

**M.S. in Biostatistics**

**Anticipated May, 2020**

**Courses:** *Biostatistical Methods, Probability, Epidemiology, Data Science*

**University of Iowa**

**Iowa City, IA, USA**

**B.S. in Statistic, B.S. in Mathematics-Honors Program** GPA: 3.6/4.0, Major GPA: 3.85/4.0

**Aug. 2014- Dec. 2017**

**Courses:** *Numerical Analysis, Bayesian Statistics, Experimental Design and Analysis, Ordinary Differential Equations, Differential Geometry, Research Data Management, Mathematical Statistics II, Computer Science II: Data Structures, Linear Algebra*

**Awards:** *Dean's list, University of Iowa / Spring 2015-Spring 2017*

**Scholarship, Department of Statistics and Actuarial Science, University of Iowa / Fall 2017**

**University of California, Berkeley: Summer Exchange Program**

**Berkeley, CA, USA/Jul.2016-Aug. 2016**

**B.B.A. in Management at Guangzhou University**

**Guangzhou, China/Sep. 2012- Sep. 2016**

**Core Courses:** *Advanced Mathematics, Probability Theory and Mathematical Statistics, Micro-economics, Macro-economics, Accounting, Financial Management, Information Systems, Investment, Human Resource Management*

**COMPUTER SKILLS:** *Audacity, Python, R, Java, Mathematica, STATA, OpenBUGS, MATLAB, SAS, LaTeX*

## INTERNSHIPS

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**Data Analyst, University of Iowa Hospitals and Clinics (UIHC)-Surgery Department**

**Iowa, IA/ Aug. 2017-May. 2018**

- Conducted statistical analysis to over 300,000 patients record in UIHC and assisted over 20 faculties from UIHC on providing systematically statistical outputs on research areas related to biomedical, biostatistics and etc.
- Used STATA to conduct statistical tests including chi-square tests, ANOVA, fisher's exact test, t-test, linear regression, logistic regression, multi-variable regression in areas of lung cancer, burning damage and resident involvements on surgical times
- Conducted Bayesian Statistics analysis on burning skin statistics from UC Davis Data Coordinating Center and provided assistance to determine the statistics analysis procedure to the raw data

**Analytics Intern, PricewaterhouseCoopers (PwC) & TimaNetworks**

**Shanghai & Guangzhou, China/ May 2016-Jul. 2016**

- Researched over 50 cases from Usage Based Insurance (UBI) following MECE principle through CPC, IPO, UPD aspects
- Analyzed over 15 cases from 9 different telematics UBI company in areas of OBD, ADAS, CarNet and T-box to provide developing strategies for start-up technology company TimaNetworks
- Connected all analysis into a consulting report and delivered it to the chairman of TimaNetworks and PwC senior manager

**Consulting Intern, Ernst & Young (EY)**

**Shenzhen & Guangzhou, China/ May 2015-Aug. 2015**

- Interviewed the general managers of 8 key departments in the headquarter of Ping An Insurance Co. from life insurance aspects
- Met with the general managers from the head office in China Taiping Insurance Co. and collected information in areas of underwriting and claiming settlement of vehicle insurance
- Worked with Advisors, Senior Managers, Partners from EY in Performance Improvement (PI) department by providing supports to translation, data collecting and information analytics

## ACADEMIC EXPERIENCES

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**Yue Gu**, the article '*Research on Operation Dilemmas and Innovations of Chinese Insurance Companies*' has been accepted and published in *Advances in Social Science, Education and Humanities Research* at 2017 3<sup>rd</sup> SSEMET International Conference on April, 2017/ *ISSN 2352-5398*. College of Liberal Arts and Science, University of Iowa.

**Attendee, SOCIETY OF ACTUARIES (SOA) 2015 Annual Meeting & Exhibit**

**Austin, TX, USA/ Oct. 2015**

**Research Project on Enterprise Management and Innovation of PING AN Company**

**June 2015-Aug. 2015**

- Researched over 50 published paper related to management theories from CNKI
- Designed questionnaire, gained statistical result from over 200 respondents and wrote a 16000-words long report based on research theories including benchmarking, quantified and qualified theories, scientific management and etc.

## AWARDS AND OTHERS

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**University of Iowa:** Asian Music Culture Introducer, KRUI Radio/ *May. 2016*; Friends without Borders/ *Aug. 2014-Now*; Treasurer, Omicron Delta Kappa Honor Society/ *Mar. 2015-Now*; VITA International Tax Return Volunteer/ *Jan. 2015-May 2015*

**Guangzhou University:** Orchestra Leader, Guangzhou University Orchestra/*Oct. 2013-June 2014*; Production Chain Leader, Chinese College Students Venture Contest 2013/*Mar.2013-May 2014*; Recommended Speaker, Student Union Public Speech/*June. 2014*; Debaters' Team Leader, Students Debate Competition/*Sep. 2013*; Bronze award of "Challenge Cup"/*May 2014*

**Interests:** Skiing, Strategy Planning, Team Leader, Drawing, Work-out, Swimming, Flute, Orchestra, Photography