

Di (Emma) Wu

400 17th Street Northwest
Atlanta, GA, 30363

dwu308@gatech.edu
(404) 834-6387

<https://www.linkedin.com/in/di-emma-wu>

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY

ATLANTA, GEORGIA

Ph.D. in Operations Research (Specialization in Economic Decision Analysis)

Anticipated-May 2022

UNIVERSITY OF MINNESOTA-TWIN CITIES

MINNEAPOLIS, MINNESOTA

Bachelor of Arts in Mathematics (Specialization in Actuarial Science)

September 2013-May 2016

Bachelor of Science in Economics; Finance & Risk Management minor

GPA 3.89; BA with *Summa Cum Laude* Honors and Distinction; BS with Distinction

SICHUAN UNIVERSITY (TWO PLUS TWO DUAL DEGREE PROGRAM)

CHENGDU, CHINA

Bachelor of Science in Financial Mathematics (ranked 10/200+)

September 2011-June 2015

Finance minor; Computer Science Major Experience

GPA 3.55; Outstanding Student Award 2011 Academic Year; Outstanding Volunteer

Leadership: Director of Professional Development CSSA; Director of Administration IISE; Student Ambassador

WORK and RESEARCH EXPERIENCE

GEORGIA INSTITUTE OF TECHNOLOGY, SCHOOL OF INDUSTRIAL AND SYSTEMS ENGINEERING

ATLANTA, GEORGIA

Graduate Research Assistant

May 2018-Present

- Designed and implemented a decision support Python tool for assisting energy storage asset operators
- Developed a mixed integer programming tool for revenue optimization of a portfolio of battery storage assets
- Modeled analytics and decision support system for portfolio backtesting and time series analysis
- Conducted research in reinforcement learning in the financial markets as well as auction pricing

AUSTRALIA AND NEW ZEALAND BANK (CHINA) CO., LTD

CHENGDU, CHINA

Credit Assessment Officer

April 2017-June 2017

- Assessed new home loan applications and made accurate credit decisions to control credit risks
- Evaluated creditworthiness and risks based on clients' financial status and maintained the updated records
- Liaised with customers, brokers, and mortgage insurers to provide the best customer services

BEIJING ZHEN YUAN HUA JUN INFORMATION TECHNOLOGY CO., LTD

BEIJING, CHINA

Quantitative Trader

November 2016-February 2017

- Developed trading models and algorithms in MATLAB and traded a range of financial instruments
- Acquired new data sets and cleaned new and existing data sets and defined key risk metrics
- Managed execution and risk of complex trading portfolios and researched new market opportunities
- Collaborated cross-functionally with engineers to understand and improve technical infrastructure

SICHUAN YIYUAN BUSINESS MANAGEMENT CO., LTD

CHENGDU, CHINA

Intern, Department of Venture Capital

July 2014-August 2014

- Revised and developed the Excel models for financial forecasting and corporation valuation
- Tested crucial assumptions and run scenario analysis to identify the potential reward and risk
- Presented and communicated deal structures to investors to raise funds for projects

CHINA HUARONG ASSET MANAGEMENT CO., LTD

CHENGDU, CHINA

Intern, Department of Investment

August 2012-September 2012

- Analyzed financial statements and corporate legal contracts and negotiated interest rates with banks and firms
- Promoted a successful \$83 million financial leasing project resulting in a profit of \$500 thousand

SKILLS and EXAMS

- Languages: Fluent in Mandarin and Proficient in English
- Software: C, C++, Python, Simio, Stata, R, MATLAB, Latex, Bloomberg Terminal, and Microsoft Office
- Exams: Passed Financial Mathematics exam of Society of Actuaries and finished all required VEE courses