

# BINGXIN (BETHANY) WU

9805 Clagett Farm Drive, Potomac, MD 20854 | 301.330.5362 | bw383@cornell.edu | Permanent Resident

## EDUCATION

---

### Cornell University, Ithaca, NY

#### *The College of Engineering*

- Master of Engineering in Operations Research and Information Engineering

Jan 2017 – Dec 2017

Cumulative GPA: 3.373

#### *The College of Arts and Sciences*

- Bachelor of Arts in Math and in Statistical Science
- Dean's List 2015 spring and 2015 fall

Aug 2013 – Dec 2016

Cumulative GPA: 3.601

#### *Relevant Coursework:*

Mathematics: Algebra • Multivariable Calculus • Dynamical Systems • Analysis • Number Theory • Stochastic Processes

Statistical Science: Biological Statistics • Deductive Logic • Sampling • Machine Learning & Data Mining • Probability

Computer Science: MATLAB • Object-Oriented Programming & Data Structures (Java) • Data Science (Visualization)

Operations Research & Finance: Accounting • Spreadsheet-Based Modeling & Data Analysis • Optimization

## PROFESSIONAL EXPERIENCE

---

### British Columbia Emergency Health Services & Cornell Project, *Project Engineer*, Ithaca, NY Nov 2016 – May 2017

- Developed tools using Python and other software to explore possible policies for air ambulance optimization in BC
- Implemented route-planning methods for aircraft and conducted analysis on data output for policy selections

### China Gaoxin Investment Group Corporation, *Investment Intern*, Beijing, China

Jun 2015 – Aug 2015

- Completed 40-page investment project reports with translation of technical documents and proposed investment suggestions for a Singapore dialysis regeneration device manufacturer and an international serious game company
- Analyzed data for acquisition negotiations of an environmental equipment manufacturer with asset scale of \$47B
- Searched and learned about the companies and the markets; proposed questions for 3 other possible investment cases
- Attended company's decision-making meetings, teleconferences, training sections and lectures

### Manulife Teda Fund Management Co. Ltd, *Financial Engineering Intern*, Beijing, China

Jul 2014 – Aug 2014

- Reexamined data of financial statements for 3 cases; Established model for cyclical stocks
- Translated and presented documents from Manulife Asset Management Headquarters into Mandarin Chinese
- Attended product analysis meetings and financial structure seminars

### Water Quality Independent Research Project, *Project Lead*, Beijing, China

Sep 2010 – Sep 2013

- Tested water quality of 20 swimming centers for concentrations of residual chloride, ammonium and 8 other indices
- Performed *E. Coli* level tests in China's Center for Disease Control and Prevention laboratory
- Compiled and analyzed data; Discussed with experts about the proceeding of swimming water quality standards

## ADDITIONAL EXPERIENCE

---

### The ILR School of Cornell University, *Teaching Assistant*, Ithaca, NY

Jan 2016 – May 2017

- Prepared weekly teaching plan for sections of course ILRST/STSCI 2100: Introductory Statistics
- Held sections and office hours weekly to go over course materials, demonstrate software use, and lead discussions

### Beijing China Railway Tianrui Machinery Ltd, *Translation Intern*, Beijing, China

May 2014 – Jun 2014

- Translated bidding proposals and product descriptions from Mandarin Chinese to English
- Attended group meetings concerning technical issues and current deals

### Robert Purcell Community Center Dining Hall, *Dining Hall Assistant*, Ithaca, NY

Feb 2014 – May 2014

- Prepared and presented food under supervision of the chef
- Carried out regular temperature checks and maintained food under appropriate temperature

## SKILLS, ACTIVITIES, AND INTERESTS

---

**Computer:** MATLAB, Python, Java, AMPL and R; Microsoft Excel (VBA), Word and PowerPoint; Bloomberg Terminal

**Language:** Fluent in English and Mandarin Chinese

**Activities:** Swimming (placed top 10 in many citywide high school competitions), Taekwondo (member of Sport Taekwondo)