Zhenyi (Annie) Cheng

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EDUCATION

Cornell University

Master of Engineering, Operations Research and Information Engineering, GPA: N/A   **Expected May 2023**
Strategic Operations Concentration, Teaching Assistant, Cornell Aviation Club

Bachelor of Science, Operations Research and Information Engineering, GPA: 3.43   **May 2022**
Dean's List, Teaching Assistant, Engineering Learning Initiatives Tutor, Society of Women Engineers, Digital Ag Hackathon

Current* And Past Courses: Financial Risk Management*, Natural Language Processing*, Supply Chain Management, Big Messy Data, Simulation Modeling & Analysis, Stochastic Process, Optimization, Data-Driven Web Applications, Game Theory, Cosmology

EXPERIENCE

COMAC Flight Test Center, *Data Analyst Intern*   **June-Aug. 2021**
- Developed a 35-page paper on aircraft maneuver recognition trained on big data; presented bi-weekly results to supervisor
- Heavily involved in data extraction, conversion, cleaning; analyzed using dimensionality reduction and neural networks
- Assisted in the web design of a real-time flight test monitoring system; managed to work in different platforms
- Toured several COMAC working sites; learned how a big aircraft manufacturing company functions

Trella Urban Forestry Technology, *Data & Marketing Intern*   **June-Aug. 2020**
- Integrated and standardized current tree species database; designed a user-friendly interface for access and input
- Conducted both quantitative and qualitative market analysis on new products; presented findings to senior-level management
- Acted as a bridge between the U.S. management team and the local team in China; delivered expectations, needs, and feedback
- Managed the company's Wechat Official Account platform; boosted reading counts from 20 to 300 per article

Chinese Student in North America Foundation, *Chair of Procurement*   **Jan.-Dec. 2020**
- Responsible for leading a 40-member department; helped the organization grow from 5 people to 300+
- Standardized process to foster a streamline workflow; used optimization tools to best match people in need
- Raised 900,000+ RMB (127,000 USD) to purchase 50,000+ medical masks, 148,000+ pairs of medical gloves, as well as protective suits, safety goggles, disinfect water during the pandemic; donated to 25 hospitals in the greater Wuhan area

Boston Consulting Group, *Assistant Consultant*   **July-Sept. 2019**
- Conducted competitive benchmarking and industry best practice research on ESG investing in financial services sector
- Engaged frequently with the client, a global investment firm, to understand and address their needs
- Leveraged secondary research on several industries; used visualization tools to present findings to project manager
- Attended training programs that equipped me with useful tools in a real-world business environment

CORAL Project Team, *Data Analyst*   **Feb-Dec. 2019**
- Produced a 40-page technical report on drivers of music popularity on Spotify through modeling and simulation
- Collaborated in team of five; presented in school research panel; findings shared with Spotify to assist their strategy planning
- Identified drivers of basketball team performance such as shooting location and patterns using regression models
- Coordinated information with Cornell basketball team and improved their field goal percentage by 8%

SKILLS & INTERESTS

Programs: Proficient with Python, HTML, SQL, Microsoft Office, Tableau, AMPL; comfortable with Java, R, MATLAB, Simio
Languages: Fluent in English and Chinese, knowledge of French
Interests:
- Licensed private pilot with 100+ hours of flight time, spent summer of 2022 training, currently working on instrument rating
- Strong commitment in charity and community service, with 1000+ hours logged and 160,000+ dollars raised
- Deep interest in classical music, 18 years of piano, level 10 certification earned, performed for school events
- Yoga & meditation as a style of living since summer 2018, TTC (teacher training course) 200 hours level completed
- Actively studying for CFA Level 1, expected examination in November 2022