Jerry Li

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EDUCATION

Carnegie Mellon University   **Pittsburgh, PA**
B.S. in Economics; B.S. in Statistics & Machine Learning   Expected May 2022
- **GPA:** 3.86/4.00 | Dean's List with High Honors, three semesters
- **Awards:** Bank of America Coding Challenge Winner, Hack112 Hackathon 2nd Place, National Investment Banking Competition Finalist, Donald C. Dilley Jr. Scholarship-Leadership Award Recipient
- **Relevant Coursework:** Economics and Data Science, Machine Learning, Probability Theory, Communication

TECHNICAL SKILLS

Programming Languages: Python (pytorch, scikit, pandas, numpy, pytesseract, opencv), R (tidyverse, forecast, stargazer, mclust, xgboost), C, HTML, CSS, Javascript, Java, VBA, SQL, and Android
Certifications & Training: Certified Data Scientist, Level 1 (General Assembly Data Science Standards Board)

FINANCE EXPERIENCE

GT Entrepreneurs   **Pittsburgh, PA**
Private Equity Analyst Intern   Sep. 2019 – Nov. 2019
- Researched over 1200 companies in a variety of industries utilizing proprietary resources including industry revenue, employee size, and market trends to identify acquisition targets in $750K to $5M EBITDA range
- Analyzed financial statements, business models, CIMs, and teasers, outlined risks and areas for further investigation to Management, and discussed companies' future outlooks and growth potential; developed LBO models which were ultimately used to generate IOIs and LOIs
- Evaluated macroeconomic trends using a variety of resources including IBISWorld, and recommended industries that offered a promising ROI, **assisting with closing on a $6M acquisition deal**

Tartan Student Fund   **Pittsburgh, PA**
Associate Portfolio Manager   Sep. 2019 – Feb. 2020
Analyst   Feb. 2019 – Sep. 2019
- Constructed detailed analyses of company profiles, leadership, strategy, financial records, and more, assisting in management of $50,000 endowment fund; instructed delivery of **DCF, EBITDA, and other valuations**
- **Pitched stocks with 100% approval rating**, specializing in financial institutions and industrials

DATA ANALYTICS & PROGRAMMING EXPERIENCE

Ernst & Young (EY)   **Shanghai, China**
Technology Consulting Intern   May 2020 – Present
- **Delivered digital transformation strategies** for Fortune 500 companies by integrating digital services such as **SAP, AWS, and Alibaba Cloud**; constructed data platform blueprints to streamline business operations
- **Designed and implemented NLP proof-of-concepts** including keyword extraction, Optical Character Recognition, and audio-to-text transcription with Python to digitalize clients' businesses
- Spearheaded administrative, finance, and legal strategies for a major energy company's mixed ownership reform
- Organized 160-page education presentation and question bank on enterprise data platforms and mid-wires

WuXi Biologics   **Shanghai, China**
Production Project Management & Administration Intern   May 2019 – Jul. 2019
- Coordinated production schedules, facilities, and supply chains for cGMP production procedures for the world's only global medical device open-access technology platform company
- **Directed and edited department-wide branding video** now shown to all potential clients
- Created Python and VBA programs linked to Excel to **calculate metrics, visualize team schedules**, and improve communication efficiency between production teams, **reducing time spent on spreadsheets by 80%**

Crown Technologies
Shanghai, China
Research Assistant
Dec. 2018 – Jan. 2019
- Researched and summarized more than five dozen articles and papers for company's PhD researchers, creating comprehensive guide to **induced hibernation and cryogenics, advancing past Phase I of product ideation**

Predicting Happiness (R)
Nov. 2019 – Dec. 2019
- **Constructed multiple regression, classification trees, clustering, and QDA models** to generate predictive insights about countries' self-reported life satisfaction in the future given an aggregate of economic conditions

Automated Supply Chain and Project Management Workbook (VBA)
Jun. 2019 – Jul. 2019
- Designed system to automatically update production material supply data in a centralized database and give accurate **purchasing recommendations to Production Managers based on predicted supply usage**
- Created compact Gantt chart to automatically depict all project and personnel entries, reducing time-to-insight by more than half and average time spent on spreadsheets by 1 hour per workday

MONIAC Macroeconomy Educational Simulation (Python)
Apr. 2019 – May 2019
- Crafted visual simulation of the macroeconomy using sand physics, with various inputs and outputs such as GDP and investments, allowing **situation-based and data-driven simulations supported by research** from the London School of Economics' original model
- Supported real-time graphical visualization of effects of user manipulations on the macroeconomy

LEADERSHIP EXPERIENCE

Paragon
Shanghai, China
Co-Founder
May 2020 – Present
- **Designed 2-day enterprise technology training** for Tishman Speyer, the 26th largest global real estate investor
- Led a 4-week Python programming course with Project-Based Learning and composed a supplemental course website with an in-browser coding environment (pythonnotestrial.github.io)
- Spearheaded marketing, outreach, and operations, **achieving $4,633 in sales in under two weeks after ideation**

CMU Data Science Club
Pittsburgh, PA
Co-President
May 2020 – Present
VP of Marketing
May 2019 – May 2020
- Headed project analyzing differences between past two US presidencies by **highlighting fluctuations in the S&P 500 with classical and X11 time series decomposition**; trained team of 6 in data visualization and forecasting
- Reached record event attendance and member recruitment figures by curating weekly newsletters and corresponding with numerous sponsors including Jane Street Capital, SIG, and Citadel
- Pioneered internal development workshops, instructing new members in Python and R programming

Kappa Sigma Fraternity
Pittsburgh, PA
Treasurer
Dec. 2019 – Present
Social Media and Philanthropy Chair
May 2019 – Dec. 2019
- **Spearheaded efforts to resolve a $40K bank account deficit** from previous years; managed tax and audit duties
- **Decreased cost expenditures by 20%** for the house meal plan while increasing overall revenue by 30% through negotiations with alumni and current brothers; resolved entire deficit and achieved largest pledge class in 30 years
- Proposed and executed fundraisers every week, raising more than $1000 for various organizations such as the 412 Food Rescue and veteran charities; marketed through social media to reach >200 participants for each event

CMU US-China Innovation and Entrepreneurship Association
Pittsburgh, PA
Marketing Chair
Sep. 2018 – May 2019
Marketing Specialist
Aug. 2018 – Sep. 2018
- Actively utilized social media platforms including Facebook, WeChat, LinkedIn, Instagram, Eventbrite, and Mailchimp, **doubling number of posts and increasing event attendance by 50%** compared to previous years
- Established connections with more than 100 media partners, e.g. The Tartan, Sina Corp, and the College Daily
- Directed actualization of IEA's first official website, cmu-iea.com, receiving 1000+ visits per month