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EDUCATION

University of Pennsylvania, Philadelphia, PA, USA   *Graduation*: 05.2022*

  MS Systems Engineering, concentration in Data Science and Tech Management w/ Wharton   GPA: 4.0/4.0

Oklahoma State University, Stillwater, OK, USA   *Graduation: 12.2019*

BS Mathematics, BS Computer Science, and BSBA Hospitality & Tourism Management (Triple Degrees)   GPA: 3.75/4.0

- Honors: Emeritus Math Faculty Scholarship (Math), SST Scholarship (CS), Transfer Out-Of-State Achievement, President's Honor Roll

Sun Yat-Sen University, Guangzhou, China   *Graduation: 05.2019*

Bachelor of Management, Tourism Management (Triple-Accredited: EQUIS, AACSB, and AMBA)   GPA: 3.8/4.0

- Honors: The Third Prize Scholarship, The College Excellent Student Leader
- Competitions: Top8 of Johnson & Johnson Marketing Competition, The Excellent Team of Citibank Business Case Competition (Campus)

RELATED SKILLS

Language: Cantonese (native), Mandarin (native), English (fluently)

Computer: Java, C++, Python, Pytorch, TensorFlow, R, SQL, PHP, HTML, MATLAB, SPSS, SAS, LaTeX, Microsoft Office

Coursework: Machine Learning (both math and application), Deep Learning, Learning in Robotics, Convex Optimization, Probability and Mathematical Statistics, Regression Analysis, Advanced Linear Algebra, Data Structure and Algorithm, Computer Systems, Operating Systems, Computer Networks, Database, Programming Languages, Management, Economics, Customer Behavior, International Finance

ACADEMIC PROJECTS

Hotel Cancellation Prediction Using 10+ Machine Learning Approaches (Python) - ☞ github

- Visualized and rebalanced the dataset, then used 10+ machine learning models including a ensemble to predict the hotel booking's cancellation (binary classification) and analyzed the influence of models and rebalance techniques by ROC curves; generated a report

The Rise of Gig Economy and the New Management Challenges - Case Study of Freelancer Platforms (Undergraduate Thesis)

- Optimized the gig economy platforms by applying web crawlers to collect data, OLS method to analyze them, and hypothesis-testing research paradigm to draw the relationship patterns to support the given management solutions

E-Business Customer Behavior Forecasting Using Four Different Machine Learning Approaches (Python)

- Processed and visualized a 1-million-dimension dataset and then used four different machine learning approaches, naïve Bayes, logistic regression, LightGBM, and DeepFM (deep learning neural network), to predict the customer behaviors

National Education Analysis Using Multiple Linear Regression Model (R Language)

- Predicted average SAT score of each state in the U.S. by processing the data attributes, checking statistical test assumptions, removing the influencers, finding interactions, and ultimately deploying multiple linear regression

Web-Based Bilingual Library Database Design (SQL & PHP)

- Utilized SQL to build a Chinese-English bilingual book information database system as back-end and PHP to build a functional webpage for searching, adding, changing, and deleting book information via different attributes as front-end

Linux-Like File System Demo (C Language)

- Simulated a lower-level system structure which can find and delete files by various metadata to explore the operating system

PROFESSIONAL EXPERIENCE

Technology Consultant Intern | Advisory Service, PwC, Shenzhen, China   *06.2020-08.2020*

- Streamlined the SAP financial consolidation platform for Miniso ($1.5B retailer startup) via SAP's Excel extension, providing automated adaptive financial report, real-time management analysis and global regulations across its 90+ international branches

Financial Analyst Intern | Institute of Financial Research, Yuexiu Financial Holdings Group, Guangzhou, China   *08.2016-09.2016*

- Provided industry analysis reports and PPT about private equity fund, mutual insurance, and reinsurance
- Negotiated with the account executives from other companies

Financial Analyst Intern | Investment Banking Division, GF Securities, Guangzhou, China   *07.2016-08.2016*

- Participated in the design and execution of Equity Incentive Deals for the public company clients
- Collaborated with a team of five in searching and sorting listed company information via financial terminal and wrote reports

CAMPUS LEADERSHIP

Student Academic Tutor: Supported students in course work as tutor and instructors in academic tasks as assistant   *09.2014-06.2016*

Leader of International-Affairs Department: Organized the soccer march, exchange student's city tour, icebreaker   *09.2014-06.2016*