

Ying Chai

(202) 577-2679 • College Park, MD • ying.chai@marylandsmith.umd.edu • [linkedin.com/in/ying-chai/](https://www.linkedin.com/in/ying-chai/)

EDUCATION

University of Maryland, Robert H. Smith School of Business

College Park, MD

Master of Science in Business Analytics, GPA: 3.78

December 2022

- Coursework: Database Management, Python, Data Models and Decisions, Data Mining, Big Data & AI

Guangxi University, School of Business

Nanning, China

Bachelor of Science in Finance, GPA: 3.53, Honor Graduate (Top 10% of class 2021)

June 2021

SKILLS

Data Analytics: Statistics, Data Modeling, Data Automation, Data Visualization, Machine Learning, A/B Testing

Programming Language: Python (pandas, numpy, sklearn, matplotlib, seaborn), R, SQL, SPSS

Tools: Tableau, AWS, Google Analytics, Microsoft Office Suite, Jupyter Notebook, Colab, MySQL

EXPERIENCE

Xiaomi Corporation

Beijing, China

Data Analyst Intern

March 2021 – June 2021

- Automated daily and weekly reports by building reusable and scalable scripts in SQL and Python, eliminating redundancy in manual processes, and reducing reporting time by 70%.
- Completed 10+ market research reports on the online video sharing platforms to identify the market conditions, user demographics, industry trends, and competition.
- Implemented a Tableau dashboard to monitor the sales performance and guide promotion strategies in order to improve product sales and company profits.
- Collaborated with the product and data science teams to implement A/B testing to improve the video platform features, increasing engagement rate by 20% and premium member conversion rate by 15%.

Changjiang Securities

Nanning, China

Investment Consultant Intern

July 2020 – August 2020

- Automatically collected bonds data through Python Beautiful Soup, improving efficiency by 50%; performed data cleaning, transformation, data quality check, and exploratory data analysis in Python and SQL.
- Analyzed municipal bonds to identify risks and future returns.
- Tracked and predicted securities market trends of the home appliance industry and researched the selected companies to identify the core value and price trends; designed a dashboard to conduct the investment assessment.
- Provided consultations for over 300 clients and developed potential clients by providing tailored financial products; managed personal investment portfolios designed to achieve clients' financial goals.

Industrial and Commercial Bank of China

Nanning, China

Data Analyst Intern

January 2020 – February 2020

- Explored sales data of financial management products utilizing linear regression model in SPSS; targeted customers in different areas and improved product sales by 10% MoM.
- Utilized cluster analysis in Excel to identify potential clients, increasing deposits by \$20K.

PROJECT

Smith Business School Operation Strategies to Improve Competitive Ranking (SQL, Python, Tableau)

- Analyzed program data, ranking, and career outcomes rate in using SQL and Python to identify key factors impacting school rankings.
- Designed and created a Tableau dashboard to visualize the results and presented insights on how to improve rankings for the school to adopt.

LEADERSHIP EXPERIENCE

Music Club at Guangxi University, Head of Guitar Department

May 2018 – May 2019

- Organized club events including small shows and large-scale performances with over 500 attendees, which attracted more than 200 new members to join when the semester started.
- Led a team of seven instructors to create the syllabus and arrange schedules for the weekly guitar class.

DISTINCTION

Language: English (Professional), Mandarin (Native), Cantonese (Basic)

Amateur musician (Guitar) and composer