

# Ge Ma

Pittsburgh, 15213, United States, +14125893892, gema000502@gmail.com

---

## PROFILE

Accomplished Data Scientist with a passion for delivering valuable data through analytical functions and data retrieval methods. Committed to helping companies advance by helping them to develop strategic plans based on predictive modeling and findings.

---

## EDUCATION

Sep 2018 — Jan 2023	Bachelor of Engineering in Computer Science and Technology, Xiamen University, China	Kuala Lumpur
Sep 2023 — Jun 2025	Master in Information Science, University of Pittsburgh	Pittsburgh

---

## INTERNSHIPS

Mar 2023 — Jun 2023	Software Testing Engineer Intern, Beijing Vastdata Technology Company <ul style="list-style-type: none"><li>Developed test plans and test cases for user acceptance testing to ensure the database named Vastbase met customer requirements</li><li>The sql language implements data migration from Oracle to Vastbase with 12 entries</li></ul>
Apr 2022 — Aug 2023	Product Manager Intern, Baidu <ul style="list-style-type: none"><li>Responsible for cross-border <b>B2B</b> service platform Overseadia's <b>SaaS</b>(Software-as-a-service) project</li><li>Providing precise information captures for global buyers through AI Business Opportunities Manager</li><li>Boosted the quarterly website module visits by <b>6.75%</b> after optimization</li></ul>
Feb 2022 — Apr 2023	Product Manager Intern, Beijing Huaxin Ruide Information Company <ul style="list-style-type: none"><li>Responsible for the application design and launch for Starbucks, Dukang Liquor, and Yangshao</li><li>Organized the information of over 2000 Starbucks stores in South China for better marketing purposes</li></ul>
Apr 2021 — Sep 2023	Information Technologist Intern, State Grid - Xuchang Longyuan Power Industry <ul style="list-style-type: none"><li>Responsible for the daily statistics and organizing of electrical meters for over 4 million users</li><li>Assumed the electrical meter system data management and analysis tasks as required</li></ul>
Oct 2020 — Jan 2022	Data Cleaning Intern, Shanghai Jiema Education <ul style="list-style-type: none"><li>Responsible for the partial data searching, verification, and organizing for 5 projects</li><li>Adopted multiple data processing techniques for different data types to expedite the process</li></ul>

---

## ACADEMIC PROJECTS

Oct 2021	Data Analyst in Zapper <ul style="list-style-type: none"><li>Analyzed a data set with <b>850</b> observations and <b>11</b> variables (both numerical and categorical variables)</li><li>Performed <b>data cleaning, preparation</b>, and analyzed variables with appropriate pivot tables and charts</li><li>Built a <b>logistic regression model</b>, interpreted the model outputs and validated the model fit</li><li>Elaborated on how to implement this model to improve the company's business, the strengths and weaknesses of the model, and how to improve the model for better performance</li></ul>
Nov 2021	Building a Scientific Calculator <ul style="list-style-type: none"><li>Divided <b>compiler</b>-building into two UNIX programs, lex (lexical analyzer) and yacc (syntax analyzer)</li><li>Introduced different methods for environment configuration on the Windows platform</li><li>Built a <b>calculator</b> with functions of addition, subtraction, multiplication, division, sin, cos, tan and remainder, analyzed the code and three outputs in the compiler, graph, interpreter version respectively</li></ul>
Apr 2019	Stock Investment Project <ul style="list-style-type: none"><li>Analyzed the stock market risks and completed our <b>investment portfolio</b> by choosing small-cap (Alpha Pro Tech, Ltd.: APT) and large-cap (Tesla: TSLA, Google: GOOG) stocks</li><li>Adjusted the level of stock investments after analyzing the current investment environment</li></ul>

- Increased our virtual investment amount from **\$700,000** to **\$1200,000** in one month by adopting a proper investment strategy in the online stock market

---

## SKILLS

SQL

Python

Data Analysis

Microsoft Excel

C++

Communication Skills