

MARYLYN CHEN

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EDUCATION

Georgia Institute of Technology, Atlanta, GA, GPA — 3.9 **08/2019 – 05/2023**

- Due for B.S. of Industrial Engineering (Data Analytics) with a Minor in Computing and Intelligence

EXPERIENCE

Business Analyst Intern, CarMax **06/2021 – 08/2021**

- Translated tables from the Teradata (SQL) into the Databricks platform (pyspark) and merged and cleaned these tables to form the training dataset
- Created and refined machine learning regression models using the training dataset to accurately predict revenue generated for appraisals that significantly improved the previous models

Research Assistant, School of Industrial and Systems Engineering **06/2020 – 06/2021**

- Matched supply of 50,000 mental healthcare providers to demand across the United States
- Researched, analyzed, and visualized mental healthcare provider data using Python, Excel, CSV, pandas, matplotlib, R, ggplot2, ArcGIS, and MySQL

Teaching Assistant, College of Computing **01/2020**

- Teaching lecture, writing course curriculum, leading recitations, holding office hours, and writing and grading exams, homework, and autograders for a Python data analytics class of over 200 students

Community Building Intern, Park Pride **05/2020 – 08/2020**

- Hosted meetings with 50 company partners to communicate their interests to Park Pride using data gathered from using Excel, Python, and data visualization
- Created a carbon-reduction challenge project to reduce carbon emissions by 30 lbs/year and slash costs by \$9000/year

PROJECTS

Web Development — Hackathons **11/2019 – 10/2020**

- Won prize for building a full-stack website at HackGSU using HTML, CSS, Javascript, and Microsoft Azure hosted by Glitch for the Girls++ organization at GSU (an organization for female coders)
- Created a website at HackGT using HTML, CSS, Python, and Flask to reduce food waste caused by customer shortages in grocery stores by automatically applying a sale on produce about to expire

Renewable Energy Research — Research **08/2016 – 03/2018**

- Performed experiments testing the efficiency of wind power and solar power (the latter of which with guidance from materials scientist Dr. Bert Conings)
- Wrote research papers for both experiments, focusing on improving newer research and providing cost-alternative options to encourage worldwide renewable energy usage

SKILLS

- **Technical:** Data Analysis and Visualization, Python (OOP, GUI, CSV, JSON, numpy, pandas, requests, pyspark), MySQL, Java, Databricks, APIs, Tableau, Flask, HTML, CSS, C, Excel, PowerPoint
- **Languages:** English (native), Mandarin (native), and Spanish (basic)

COURSEWORK

Data Input & Manipulation, Regression and Forecasting, Engineering Optimization, Intro to AI, Database Systems, Data Structures & Algorithms, Computing Organization & Programming, Stochastic Manufacturing & Service Systems, Object-Oriented Programming, Probability with Applications, Statistical Methods

ACHIEVEMENTS

Faculty Honors and Dean's List at GT, National Merit Finalist with Scholarship, UGA Top 5% Award, HackGSU Finalist, National AP Scholar, International Skills Diploma Seal, Fine Arts Diploma Seal, Honors at Science Fair State and Regionals, National Science Olympiad Competitor