

Jamie Yanga

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EDUCATION

University of Houston, B.S. in Computer Science, Minor in Marketing | Houston, TX Expected May 2026

- Member of Computer Science Girls (CSGirls) Club
- Top performer in Professional Selling Class
- GPA: 3.67/4.0, Dean's List Fall 2022-Spring 2025

TECHNICAL SKILLS

Programming Languages & Technologies: Python, C++, JavaScript, SQL, HTML, CSS

Data Analysis & Tools: Microsoft Office, Google Suite, Google Analytics, Data Visualization (Matplotlib, Seaborn), Scikit-learn

Marketing & Analytics: Market Research, Campaign Analysis, Customer Segmentation

RELEVANT COURSEWORK

Data Science I and II • Algorithms and Data Structures • Databases • Automata and Computability • Digital Image Processing • Medical Imaging

PROJECTS

Analyzing Heart Disease Risk Factors | *Python* September 2025 – November 2025

- Performed data preprocessing and feature engineering on patient health datasets to prepare for model training
- Built and evaluated deep learning models (MLP, TabNet) to predict heart disease risk
- Assessed model performance using accuracy, precision/recall, and ROC curves to ensure robust evaluation

Virtual MRI Project | *MATLAB* October 2025 – November 2025

- Developed a physics-based simulation of MRI acquisition to generate synthetic medical imaging data
- Implemented Fourier-domain filtering and reconstruction algorithms to enhance image clarity and reduce noise
- Designed a modular GUI for parameterized acquisition schemes, enabling interactive exploration of MRI outputs

COVID-19 Public Health Data Analysis | *Python* March 2025 – April 2025

- Conducted exploratory data analysis and outlier detection on COVID-19 datasets to identify trends and anomalies in public health metrics
- Built and evaluated classification and regression models in Python (Scikit-learn) to predict outcomes and assess impacts

Student Health Records Database | *SQL, Python* November 2024

- Designed and implemented a normalized MySQL database to manage student health records, including immunizations and appointments
- Developed a simple Python interface to connect to the database and display queried data in a user-friendly format

WORK EXPERIENCE

Sales Associate, Academy Sports + Outdoors June 2023–Present

- Leveraged product and customer data to optimize inventory organization and improve efficiency
- Integrated marketing knowledge with technical analysis to identify product trends and customer needs

LEADERSHIP EXPERIENCE

Impulse Captain, Academy Sports + Outdoors Oct 2024–Dec 2024

- Collaborated with cross-functional teams to implement seasonal floor plans and enhance customer engagement
- Applied analytical thinking to optimize product placement and increase foot traffic

MOD Plus, Ross Dress for Less Mar 2023–May 2023

- Coordinated team schedules and delegated tasks using data-driven performance tracking