

REEM ABDELAZIZ

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EDUCATION

University of Houston

December 2024

- **B.S Computer Science**, Minors in Marketing and Mathematics | Cumulative GPA: 3.86
- Relevant Coursework: Data Structures, Algorithms, Computer Architecture, Operating Systems, Database Systems, Artificial Intelligence, Software Engineering, Data Science 1, Data Science and Statistical Learning

SKILLS

- C++, Python, Java, JavaScript, NodeJS, CSS, HTML, SQL, R, Visual Studio, and GitHub
- Tools: mySQL, R Studio, Jupyter Notebook, Visual Studio Code, Github
- Proficient in SEO, Microsoft Office, Excel, PowerPoint, Google Apps, social media, Salesforce
- Fluent in English and Arabic.

EXPERIENCE

Endress+Hauser

Digital Transformation Solutions Intern

Summer 2023

- Researched location API to integrate into process automation instruments for use in plants and factories.
- Created GitHub repository for the department to collaborate with international counterparts.
- Annotated 936 lines of code received from third party programmers and provided thorough documentation.
- Visited 2 plants and spoke to end-users to understand final applications and hear feedback.

Marketing Communications Intern

Summer 2022

- Consolidated 10 years of MCAA data to support company visualization on current market and trend projections.
- Designed, wrote, and queued a comprehensive email campaign targeting 85,000 consumers across 7 industries.
- Led a research project on 20 publications and 7 competitors' advertising and prepared report on findings.

Pearland Parks and Recreation

2017 – 2020

- Selected as 1 of 10 Youth Action Council Representatives to support execution of city-wide events and assist officials by supplying youth insight.

PROJECTS

Post Office Database and Website

Spring 2023

- Collaborated with 2 other programmers to build a database to provide tracking functionality for post office use integrating critical features like package location, tracking history, courier updates, and more.
- Designed and implemented a user-friendly front-end interface, leveraging JavaScript, HTML, and CSS to create an intuitive and visually appealing platform for seamless user interaction and navigation.
- Engineered back-end functionality with NodeJS and MYSQL.

Helios: Solar Flares Summary, Mapping, and Analysis

Fall 2023

- Built a system using R capable of summary generation, mapping, hotspot discovery, and change analysis of high-intensity solar flare events.
- Analyzed 2 subsets of a dataset with over 100,000 observations and 12 attributes. Enhanced proficiency in data visualization techniques, translating complex patterns into engaging visuals.

Video Games Success Analysis

Fall 2023

- Spearheaded a data science project leveraging R and RStudio tools to analyze a comprehensive video game sales dataset. Implemented 2 supervised learning algorithms to delve into 6,900 cases and 17 unique variables, unraveling insights into successful video game elements.
- Explored the dataset's potential for compelling data visualization, aligning with the team's passion for gaming.

EXTRA CURRICULAR

Cougarettes

2021 – Pres.

- Participated in coding competitions and encouraged camaraderie while developing technical skills.

DECA

2019 – 2020

- Qualified for International Competition through creative marketing and management.

Pearland Speech and Debate – Captain

2019 – 2020

- Onboarded 10 members and coached 13 existing members to advance to state-wide competitions.