Preston Satterfield

Bachelors in Computer Science | Mathematics Minor

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RELEVANT EXPERIENCE

H-GAC, Houston TX — *Webmaster, Intern*

Aug 2021 - June 2023

As a full-stack webmaster, I was responsible for the development and maintenance of our website. My role involved creating web forms and various web components, which included tasks such as database management, user input validation, payment processing, and email confirmation. I accumulated two years of experience working in our full-stack development team. My toolkit included Kentico (CMS), HTML, CSS, JavaScript, and ASP.net (C#).

HP, Houston TX — *Software Developer, Intern*

June 2023 - August 2023

As a full-stack developer during my internship, I utilized **React**, **Typescript**, and **Golang** to enhance both the **front-end** experience and the **back-end API** of our product. I surpassed what was expected of me on this project.

RESEARCH & PROJECTS

University of Houston — *Web Development & Research*
June 2021 - June 2023

Light-Duty Vehicle GHG Emissions: A Transparent, Dynamic Model

The first project was focused on taking an existing model and making it a web based model. I fully planned, built, and deployed a web application to reach this goal. Requirements met included: functionality that takes user inputs and output an updated model, supporting large loads of viewers, maintaining a consistent experience for the user across multiple web pages.

My second research assignment with them focused on doing the research and building my own model. I researched the emissions of Electric vehicles vs Gasoline vehicles. I used regression analysis and other statistical tools to create a model during this research project.

For more detailed information, please refer to the accompanying White Paper and Web Pages.

EDUCATION

University of Houston, Houston TX — *Computer Science - BS*

August 2020 - Expected Graduation Date: May 2024

As a member of the honors college, I maintained a 3.7 GPA while doing research and internships alongside my education.

PROGRAMMING LANGUAGES

JavaScript / Typescript

Python

C# / C++

HTML/CSS

Go

AWARDS

Dean's List - NSM Dean's list every semester.

Academic Excellence Scholarship 2020-2024

Wrestling Team 6A State Dual Championship Winners 2020

SAT 96th percentile Achieved **99th** percentile in Math and 84th percentile in English

SKILLS

Git

MVC

Web Development

Detail Oriented

Communication

High Stress Tolerance

Quick Learner

Willingness To Travel

Windows/Linux Knowledge

REST APIs

Independent Learner

Team Oriented