

# Preston Satterfield

Bachelors in Computer Science | Mathematics Minor

## 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. Due to an NDA, I'm unable to provide specific details about my work.

## RESEARCH & PROJECTS

### University of Houston — *Web Development & Research*

June 2021 - June 2023

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

I designed a webpage for the University of Houston (UH) using Flask and JavaScript. This website allows users' to input data. The backend processes this data and returns charts based on our model.

The entire web project was designed and deployed by me. The frontend was designed by me, but it adheres to UH's standard CSS for a polished and professional appearance. The website features a user-friendly navigation menu at the top, and there are a total of four pages to explore.

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.

### Katy High School, Katy TX — *High School Diploma*

2018 - 2020

Graduated with a 4.0 GPA while being a varsity wrestler for the Katy High School Wrestling Team. Our team was ranked top three in the state.

Houston, TX 77450

724-599-7506

[pdsatterfield21@gmail.com](mailto:pdsatterfield21@gmail.com)

[www.preston-satterfield.com](http://www.preston-satterfield.com)

## 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

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

