

Preston Satterfield

Bachelors in Computer Science | Mathematics Minor

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RELEVANT EXPERIENCE

H-GAC, Houston TX — *Webmaster Intern*

Aug 2021 - June 2023

In my role as a full-stack developer, I was responsible for enhancing and maintaining our website. I developed web forms and other web components that required database entry/retrieval, user input, input validation, payment, email confirmation, and more. 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](#).

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.

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