

# VINCENT WREN

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## Education

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### University of Houston

*Honors Bachelor of Science in Computer Science*

May 2027

GPA: 3.86

## Technical Skills

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**Languages:** Python, Java, C++, HTML/CSS, JavaScript

**Developer Tools:** Visual Studio Code, GitHub, Git, GitKraken

**Technologies/Frameworks:** Node.js, Express.js, Google Sheets API, Matplotlib

## Experience

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### Lazarus Energy

October 2023 – Present

*Graduate Intern / IT Fellowship*

*Houston, TX*

- Developed a real-time data management web app to enhance operational efficiency in order scheduling and tracking.
- Automated hour tracking for employees using Google Sheets.
- Prepared materials and activities for high school students related to professional development.

### University of Houston

October 2023 – March 2024

*Desk Assistant*

*Houston, TX*

- Facilitated efficient front desk operations within residence hall, including resident check-ins/outs.
- Strengthened communication and interpersonal skills through assistance of resident, staff, and visitor needs.

## Independent Projects

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### No Higher No Wider I-10 Advocacy Website | *HTML, CSS*

Feb. 2024

- Developed an advocacy website opposing the expansion of the I-10 freeway in Houston.
- Designed a user-friendly interface to engage visitors and ensure accessibility across all devices.
- Presented a proposal for adding green space atop freeway to reconnect neighborhoods and reduce pollution.

### Miles to Victory | *Python, pandas, numpy, scipy, matplotlib*

Jan. 2024

- Analyzed the impact of travel on MLB team performance using over 50,000 MLB games for data.
- Employed Python for data analysis with a 99.8% accuracy in distance calculations.
- Identified no significant correlation between travel time and game outcomes.

### Portfolio Website | *HTML, CSS, JavaScript*

Jan. 2024

- Designed and developed a personal portfolio website to showcase professional projects and skills.
- Implemented responsive web design principles for optimal viewing across various devices.

### Hour Tracker | *Javascript, HTML, CSS, Node.js, Google Sheets API*

Nov. 2023

- Implemented a user-friendly system for employee time management with live status updates.
- Created a responsive interface for improved accessibility and user engagement across various devices.
- Integrated JavaScript and Node.js with Google Sheets API, enabling seamless data synchronization and storage.

### Food Oasis | *Javascript, HTML, CSS, JQuery*

Aug. 2022

- Won 1st place in Hackathon Katy Youth Hacks 2022.
- Developed website to help connect people living in food deserts to resources and food banks close to them.
- Used JQuery with MapBox to help locate nearby food banks.

### Daylight Graph Projection | *Python, Matplotlib*

Feb. 2022

- Created python script that generates a graph of the change in sunlight throughout the year at a specific latitude.
- Allowed users to enter specific latitude and find specific daylight curve.

## Leadership / Extracurricular

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### First Robotics Competition Team 5892 Energy HEROs

Oct. 2021 - May 2023

*Captain & Programming Lead*

*Energy Institute High School*

- Led team to States in 2023, coming in 2nd alliance each competition.
- Won the FRC Autonomous Award for the Robots ability to operate autonomously.
- Developed Java code to control robot, pick up and move items, and operate on it's own.

### CougarCS

Aug. 2023 - Present

*Tutor - Assist students in introductory Python and C++ courses.*

*University of Houston*

### BikeHouston

Jan. 2023 - Present

*Team Lead - Lead developer for a data dashboard on the BikeHouston Data Team.*

*University of Houston*