



VINCENT WREN

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Education

University of Houston

Honors Bachelor of Science in Computer Science

Houston Livestock and Rodeo Scholarship Recipient

May 2027

GPA: 3.87

Technical Skills

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

Developer Tools: VS Code, Repl.it, GitHub, GitKraken, Excel

Technologies/Frameworks: Linux, Git, Solidworks, Onshape, Matplotlib

Experience

Lazarus Energy

October 2023 – Present

Graduate Intern / IT Fellowship

Houston, TX

- Automated hour tracking for interns using Google Sheets
- Prepared materials and activities for high school students related to professional development.
- Attended training in professional skills, goal-setting, career pathways, and entrepreneurship.

Stronghold Camp and Retreat Center

Jun. 2023 - Aug. 2023

Summer Camp Counselor

Oregon, IL

- Assisted in helping over 60 campers gain social skills and overcome personal fears.
- Learned how to work with and guide kids through adolescence.
- Helped teach students learn about personal identity.
- Obtained leadership skills through shepherding campers around an unfamiliar environment.

Independent Projects

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.
- Derived math equation based on Sunrise Formula.
- Allowed users to enter specific latitude and find specific daylight curve.

Leadership / Extracurricular

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
- Used Solidworks and OnShape to help develop and prototype robot designs

NASA High School Aerospace Scholars

Oct. 2021 - Feb 2022

Omega Team Lead

NASA

- Participated in 5-Month intensive workshops related to Artemis Program.
- Led team of 8 people to design a moon habitat on the lunar south pole.
- Contributed to larger overall planning of a return mission to the Moon.
- Conducted Research in lunar habitat requirements & created prototype in CAD.

CougarCS

Aug. 2023

Tutor: Help students in the introductory Python course

University of Houston