

# Kelan Wu

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[Linkedin](#) | [GitHub](#) | [Personal Website](#)

## EDUCATION

### University of Houston, College of Natural Science and Mathematics

May 2024

*Bachelor of Science in Computer Science, Minor in Management Information Systems*

- **Cumulative GPA:** 3.80/4.00

- **Scholarships and Awards:** Deans List 2020-2022

- **Relevant Coursework:** Data Structures & Algorithms, Statistics for Science (R), Linear Algebra, Data Science (Machine Learning), Operating Systems, Computer Networks

## ACADEMIC/PERSONAL PROJECTS

### Stat Padder – The Ultimate NBA Statistics Application

Houston, TX

*Personal Project* ([GitHub](#))

October 2022 - Present

- Developed a full-stack web app in Python, HTML/CSS, & JavaScript by integrating interactions between the front and back-end.
- Utilized Flask & NBA API to dynamically extract and display information to the front-end based on the user's command/request.
- Express data and statistics in a unique and visually pleasing way by leveraging Chart.js and other JavaScript libraries.
- Designed a responsive user experience for a wide range of devices by implementing CSS Framework, Bootstrap 5.

### Resource Visualization

Houston, TX

*CodeRed Odyssey Hackathon (Conoco Philips Challenge)* ([GitHub](#)) ([DevPost](#))

October 2022

- Participated in a highly competitive hackathon of 200 participants, intensively coding and developing solutions for a full 24 hours.
- Engineered a powerful data analytics web application tool for petroleum industry professionals, capable of providing oil and gas information from all 50 states in the U.S., by utilizing U.S. Energy Information Administration open data resource.
- Effectively organized and clean over 500 datasets containing complex oil and gas information by using Python to ensure accuracy.

### Houston Outlaws Data Project

Houston, TX

*Academic Project*

November 2020

- Collaborated with a team of 7 to conduct an in-depth analysis of an e-sports team's standing and reputation in the community.
- Cumulated all data into an Excel Sheet to further construct and develop data and plans.

## PROFESSIONAL EXPERIENCE

### Steve Yang – State Farm Insurance Agent

Sugar Land, TX

*Marketing Associate*

January 2021 – April 2021

- Identified and nurtured potential prospects via cold calling, B2C, while entering data into State Farm's customer database, ECRM.
- Worked collaboratively with multiple agents throughout the nation in servicing clients.
- Assisted clients with needs and processed payments while displaying excellent customer service.

## INVOLVEMENT

### Code Coogs

Houston, TX

*Team O(n) Member*

August 2022 - Present

- Enrolled to acquire experience in collaborating with a diverse collective to achieve a common goal.
- Collaborated with a team of 20 to develop a complex 2D cooking-based game by developing with Unity.
- Responsible for designing artwork and producing audio assets for various in-game scenarios and situations by using Adobe Photoshop/Illustrator and FL Studio.

### Cougar CS Organization

Houston, TX

*Member*

August 2022 - Present

- Joined in order to gain a broader understanding of the diverse disciplines within computer science.
- Enhanced web development and cybersecurity expertise through participation in various workshops during each academic term.
- Elevated programming aptitude through engagement in numerous events, including the CodeRed Hackathon.

### Management Information Systems Student Organization

Houston, TX

*Member*

August 2021 - Present

- Attended general meetings and workshops to gain insight about management information systems and potential career paths.
- Acquired knowledge of various information technology concepts, including cloud computing/engineering and security infrastructure.

## SKILLS & INTERESTS

**Technologies:** Python, JavaScript, C++, R, HTML/CSS, Jupyter Notebook, Git, Microsoft Office (Word, Excel, PowerPoint), Bootstrap 5, Flask, Adobe (Photoshop, Illustrator), FL Studio, WireShark

**Skills:** Data Structures & Algorithms, Machine Learning, Deep Learning, Artificial Intelligence, Network Security

**Interests:** Professional Sports (NBA, Soccer, & Swimming), Music, Piano

