

# Greg Manns

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## EDUCATION

### Sam Houston State University

Huntsville, TX

*Bachelor in Electrical and Computer Engineering, Minor in Computer science*

## EXPERIENCE

### Information Technology Support Specialist

Jun. 2024 – Present

*Lone Star College*

*Houston, TX*

- Ensured **99%** operational uptime for **12,000+** campus devices, including classroom equipment and printers, through proactive maintenance and issue tracking
- Implemented standardized setup processes for **500+** devices annually, working with managers to deploy campus computers and tablets, reducing installation time by **20%**

### Production and Systems Engineer

Oct. 2022 – Present

*MAXX Technologies*

*Houston, TX*

- Team lead on a project involving 3D modeling using **WebGL** and **Pytorch** computer vision AI for live tracking, saving **30+** Labor hours per day
- Pitched the system to investors and potential clients, securing partnerships and over a **million** dollars in funding

### Research Assistant

May 2023 – August 2023

*Rice University*

*Houston, TX*

- Investigated protein folding within cells using cutting-edge computational dynamics, contributing to novel insights in molecular biology
- Utilized **Python** to analyze datasets, identify patterns, and evaluate different machine learning approaches for greater efficiency and accuracy
- Executed advanced simulations and processed data-intensive programs on a supercomputer to significantly reduce computation time.

## PROJECTS

### Drone Based Laser Countermeasure System | *Sole Inventor and filer*

July 2024

- Application number 18/777,456 filed 07/18/2024
- Developed a system that interfaces with drones, allowing for greater threat detection and evasion, designed to scale up economically

### Ursus | *Lead Developer*

January 2025

- Designed and led the end-to-end development of a cryptocurrency, including conceptualization, tokenomics design, and deployment

### Image Processing and Computer Vision | *Software Developer*

January 2025

- Implemented edge detection algorithms to identify object boundaries in images using **C++**

## LEADERSHIP EXPERIENCE

### External Vice President

Nov. 2023 – Dec. 2024

*Delta Tau Delta*

*Huntsville, TX*

- Updated accreditation with the school and nationals, earning recognition for chapter excellence
- Set and oversaw a 6 figure budget, while leading 80 men and managing a housing facility

### Director of Growth

Dec. 2021 – Aug. 2023

*The Woodlands Rugby Club*

*The Woodlands, TX*

- Designed and implemented a new website with embedded analytics software sending data to the cloud
- Drafted a new recruiting guide, gaining 25 members in 6 months
- Set up and maintained, social media sources, bringing average impressions from 350 to 3800 organically