Jaysen Zepeda

Computer Engineer

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Highly motivated and detail-oriented team member, with experience in drone technology, data analysis, and error convergence studies. Familiar with project management and workflow optimization. Eager to bring knowledge to support business and customer needs. Dedicated to continue enhancing skills and furthering fluidity in previously used programming languages but also prepared to begin learning new languages as needed to further the role as a knowledgeable and efficient team member.

Programming Languages

- C/C++
- Python
- Matlab
- Simulink
- Unreal Engine

Education

Aug 2016 - Dec 2022

Bachelor of Science: Computer Engineering
University of New Mexico - Albuquerque, NM
Quanser Drone Programming Team Member
Senior Design Project

- Contributed in the development and execution of a drone project, including the integration of an on-board depth camera for navigation and obstacle avoidance
- Collaborated with cross-functional teams to identify and resolve technical issues
- Understanding in manipulation of data for cross platform cohesion
- Managed project timeline and budget, ensuring all deliverables were met on schedule

Resume Recommender System Team Member
CS 467 Final Project

- Contributed to the building of an ensemble recommender system to recommend job listings for resumes
- Utilized Python and various big data technologies, such as Sklearn and Pandas, to process and analyze large datasets
- Conducted thorough feature engineering and complexity building to improve the performance of the recommender system
- Presented the results of the project, highlighting the benefits and potential real-world applications of the recommender system

Courses

ECE 330 - Software Design
ECE 331 - Data Structures and Algorithms
ECE 335 - Integrated Software Systems
ECE 340 - Probabilistic Methods in Engineering
ECE 344L - Microprocessors
ECE 437 - Computer Operating Systems
CS 375 - Introduction to Numerical Computing
CS 471 - Introduction to Scientific Computing
CS 467 - Principles and Applications of Big Data