MICHAEL ANDERSON

COMPUTER VISION RESEARCH SCIENTIST

CONTACT

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San Francisco, CA

SKILLS

- Machine Learning
- Sensor Fusion
- Object Detection
- Python
- MATLAB
- Robotics

LANGUAGES

- English
- Spanish
- French

EDUCATION

MASTER'S IN ROBOTICS, GEORGIA TECH

ACHIEVEMENTS

- Contributed to a project that won the Automotive Innovation Award in 2021.
- Implemented a vision system that reduced accident rates in testing by 40%.
- Published research on autonomous navigation in a peer-reviewed journal.

PROFILE

I am a Computer Vision Scientist with a focus on developing innovative solutions for autonomous vehicles. With over 6 years of experience in this field, I have worked on various projects that enhance vehicle perception systems and improve safety measures. My expertise in machine learning algorithms and image processing has enabled me to contribute significantly to projects that utilize real-time data to create accurate object detection systems.

EXPERIENCE

COMPUTER VISION RESEARCH SCIENTIST

Autonomous Drive Inc.

2016 - Present

- Developed algorithms for real-time object detection, achieving an accuracy rate of 95%.
- Collaborated with hardware engineers to optimize sensor integration for enhanced system performance.
- Conducted extensive testing and validation of perception algorithms in simulated environments.
- Utilized MATLAB and Python to analyze data and improve algorithm efficiency.
- Presented findings to stakeholders, facilitating informed decision-making on project direction.
- Mentored interns and junior team members in computer vision methodologies and best practices.

JUNIOR COMPUTER VISION ENGINEER

SmartDrive Solutions

2014 - 2016

- Assisted in the development of a 3D object tracking system, improving tracking accuracy by 20%.
- Performed data preprocessing and augmentation on image datasets to enhance model performance.
- Worked with cross-functional teams to integrate vision systems into vehicle prototypes.
- Conducted performance analysis of existing algorithms and recommended optimizations.
- Participated in code reviews to ensure best practices in algorithm development.
- Documented research and findings for internal knowledge sharing.