

Daniel R. Albrecht

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Summary:

I am an enthusiastic, personable, and results driven candidate. I have a passion for robotics and a desire to learn more about the abilities of autonomous robotics. Since 2018, I have been contributing to collegiate robotics research labs and teams that have given me an extensive knowledge of the methodology of electronic sensors aiding in the study of robotic autonomy with a focus in machine learning and cloud computing. I have a SECRET security clearance.

Education:

May 2022

Oklahoma State University- Stillwater, OK
Bachelor of Science in Computer Engineering

Experience:

Oklahoma State University – Stillwater, OK

ENDEAVOR Laboratories

Research Assistant

May 2019- June 2022

- LabVIEW programming consultant for senior design groups
- Researching computer vision-aided, autonomous, navigation and artificial intelligence systems
- Use of various sensors for navigation and object detection, tracking, and avoidance

CEAT Department of Electrical and Computer Engineering

Research Assistant

August 2018-August 2022

- Investigating the use of various onboard sensors to acquire data from mobile robots
- Implementation using various single-board, embedded systems, including Real Time systems
- Assisting in graduate student research involving cloud-based technologies

Lockheed Martin Aeronautics- Fort Worth, TX

F-35 Communications, Navigation, and Identification (CNI)

Electronics Engineering Intern

May 2020 – August 2020

- Incorporated task management software (Jira) into Navigation team
- Created python-based desktop application to compile multiple ‘.csv’ files into one ‘.xlsx’ file

Activities:

CEAT Scholars Executive Board

Member

May 2019 – May 2022

Silver Wings- Oklahoma State University, Dee Finnegan Chapter

Vice President, Development Officer

May 2020 – May 2021

President

August 2019 – May 2020

FIRST Robotics

Lead Programmer, Team Captain

August 2015 – May 2018

Chairman’s Presentation Team

August 2017 – May 2018

Awards and Honors:

- Lockheed Martin STEM Scholar
- CEAT Scholar
- NANOG STEM Scholar
- President’s Honor Roll

Skills:

- LabVIEW, C/C++, Python; Proficient
- Embedded Computer Systems
- JIRA, AGILE development; Proficient
- Autonomous System, AI/ML