Anthony Vazhapilly

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OBJECTIVE

To obtain an internship that will take advantage and improve my problem solving abilities.

SKILLS

Advanced knowledge of Solid works, Python, Auto-CAD, ROS(Robot Operating System)
Also Familiar with C++, Matlab, Java, Mission Planner

EXPERIENCE

LASR(Land, Air and Space Robotics) Lab - Texas A&M University
Research Assistant, Undergraduate Research May 2016 - Present

- Developed a package in ROS(Robot Operating System) for Pioneer 3-AT for outdoor missions
- Programmed a robot to autonomously navigate an outdoor environment
- Integrated vision based sensors for optimal path finding and navigation

Agrilife 2016 UAV Team
GIS Specialists/UAV Mission Planner, Undergraduate Research March 2016 - Present

- Conducted surveys of research farms using PrecisionHawk Lancaster
- Planned and piloted flights using Mission Planner
- Processed aerial survey data to create othomosaics and digital surface models

AggiE_Challenge - UAV Indoor Mapping September 2015 - May 2016
Team Member, Undergraduate Research

- Developed a package that can be installed into an air vehicle to autonomously navigate
- Ingrate ROS(Robot Operating System) with IMU and laser scanner
- Perform an energy audit using handheld system package
- Generate 3D and 2D mapping with use of Microsoft Kinect and sensors

Aggies Invent - Texas A&M University October 2015- Present
Participant - Rapid Prototyping products that can solve problems in different targeted industry

- Designed and developed an Elephant Tranquilizer that can be mounted on a UAV
- Designed and 3D printed a low cost Ophthalmoscope for doctors
- Designed a product that drastically reduces the mosquito larvae population in developing nations

Electronic Power and Design: EPD, Houston, Texas May - August 2015
Production Summer Intern

- Assembled IEC rated switchgear and motor control centers
- Tested motor and engine controls systems
- Wired and troubleshoot Electrical systems

ACTIVITIES

Texas A&M Students for the Exploration and Development of Space September 2014 - Present
Officer, Vice president

- Increased membership by 50%, 2nd place for SEDS Chapter grant
- Coordinated fundraisers and profit share events,
- Developed SpaceCraft - Virtual reality Minecraft environment for space simulations

EDUCATION

Texas A&M University, College Station, Texas December 2018
Bachelor of Science in Aerospace Engineering
Overall GPR: 3.2