Profiles

Muhammad Galib
LinkedIn

Awards

Snowflake - 2019
VFS MAV Student Challenge
https://vtol.org/

2nd Place

Project ASARS - 2019
AUVSI SUAS Competition
https://suas-competition.org/

26th Place

Automatic Assisted Walking Cane - 2018
National Science Foundation
https://www.nsf.gov/

Scholarship

Skills

3D Printers

3D Modeling

Autodesk Eagle

C++

CNC Machines

Docker

Electrical Engineering

Fusion 360

GitHub

Microcontrollers

Microsoft Office Suite

PCB Design

Robotics

SolidWorks

Ubuntu

Muhammad Galib

Mechanical Engineer

Brooklyn, NY • 929-254-8825 • muhammadmgalib@gmail.com •
https://thisisgalib.com

Summary

Bright energetic mechanical engineer seeks a position that will utilize engineering skills to improve and develop design and manufacturing.

Experience

Easy Aerial — **January 2019 - Present**
R&D Engineer II — Brooklyn, NY
https://easyaerial.com/

- Electrical and mechanical design using Autodesk Eagle and SolidWorks to solve custom hardware requirements for next generation unmanned aerial systems
- Design of electrical subassemblies to be enclosed in either COTS extruded aluminum cases or COTS injection molded cases
- Design of portable power unit for unmanned aerial systems in remote locations
- Author specification and SOW documentation for external subcontractors
- Focus on root cause analysis and company's quality management system
- Assembly of autonomous aircraft and remote ground control stations

Education

Vaughn College of Aeronautics and Technology — **May 2019**
Mechanical Engineering — Bachelor of Science
3.82
https://www.vaughn.edu/

Relevant Coursework:

Aerodynamics, CATIA, Finite Element Analysis, Fluid Mechanics, Heat Transfer, HVAC, MATLAB, Mechanical Design, Mechanical Vibrations, Strengths of Materials, Thermodynamics

Publications

Autonomous Search and Rescue System (Project ASARS) — **July 2019**
LACCEI

- Used SolidWorks to design models and Fusion 360 to generate CAM G-Code
- Developed antenna tracking system using GPS for autonomous drones
- Manufactured ground station for video feedback and autonomous missions
- Operated a CNC router and a 3D printer for prototype and production components