MUHAMMAD RADHI BIN ABDUL AZIZ

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OBJECTIVE

Obtain an engineering position in design and manufacturing field to utilize my ability and experience in design and product quality process

EDUCATION

University of Colorado Boulder Expected Dec 2019
Bachelor of Science in Mechanical Engineering
Related Courses: Component Design, Heat Transfer, Computational Method, Manufacturing Process and Systems

Cumulative GPA: 3.1

ENGINEERING PROJECTS:

- ***Motorized Vehicle Project*** Spring 2018
  -Worked with 4 students to design and manufacture a vehicle powered by a cordless drill, capable of running for 30 minutes and completed sixteen and a half laps on 5 kilometers course.
  -Worked with CNC milling machine, lathe machine and bench saw to fabricate the chassis, headtube, drill plate, pillow block, flange, sprocket, drill shaft and chain tensioner
  - Modeled components in SolidWorks and created shop ready engineering drawing.

- ***Truss Design Project*** Summer 2017
  -Designed and built a truss model capable of withstanding a minimum 1000 pounds of force with 3 students
  -Used SolidWorks and MATLAB to design and analyze the best truss structure
  -Worked with a laser cutter and band saw to fabricate the model
  -Produced the strongest truss model among five other groups

- ***Quad-copter Project*** Spring 2017
  -Worked as part of a team of 3 to design and fabricate a working drone
  -Used SolidWorks to design components and used 3D printer, laser cutter machine and lathe machine for fabrication
  -Manufactured and flew a uniquely designed drone that passed all the challenges included in the test track

HONORS AND AWARDS

- Public Service Department of Malaysia Scholarship Jan 2013-Present
  -Awarded after graduated high school with flying colors: Straight A's for all subjects
  -Awarded again after graduated in A-level with 14/15 points overall.
  -Gave the opportunity to study abroad in United States for a degree program

SKILLS

- Computer: SolidWorks, Microsoft Office, C++ and MATLAB.
- Machine: Lathe, CNC mill, laser cutter and 3D print
- Language: Fluent in English and Bahasa