James Smiths

MECHANICAL ENGINEER

info@resumekraft.com +1-202-555-0135 New York, US https://www.linkedin.com/in/james

Education

MEng Masters of Engineering
University College London
Sep 2015 - Jun 2019
Second Class Honours (Upper Division)

Hobbies

3D printed projects

Arduino Projects

Fencing

Chinese Calligraphy

Cooking

Languages

Spanish ●●●●○

English ●●●●●

Mandarin ●●●●○

German ●●●○○

Summary

I am a fresh graduate Mechanical Engineer with a passion for solving and designing solutions for different engineering problems. Good at working and collaborating with team members to strive for the best possible results. I am constantly engaged with different projects ranging from engineering to product related builds. I am currently seeking for jobs in an engineering design and problem solving environment.

Skills

- Proficient in CATIA
- Skilled 3D printer operator (FDM)
- Certificate in SolidWorks (Dassault Systemes)
- Certificate in Pneumatic Technology (SMC)
- Proficient in MATLAB
- Proficient in JAVA
- Proficient with Arduino Controllers

Relative Experience

Personal Design Projects
Fully 3D Printed Electric Generator

- Extensive use of CAD for part design
- Extensive Use of rapid prototyping to produce components
- Knowlege in the manufacturing of a 3 phase generator
- Evaluation of performance of current design for future improvements.

Open sourced Swiss Lever Escapement

- Featured Design on thingiverse with high populatiry
- Extensive use of CAD and rapid prototyping
- Releasing exploded drawings to aid in assembly for users

Team Leader of Capstone Project for Master's Degree
The project was to design a robot to compete in a Robot Search and Rescue competition.

- Managing and assigning member's tasks to meet with deadlines
- Identifying and solving problems inherent with the robot
- Extensive use of MATLAB for the analysis and optimization of design

Current Projects

- Portable wind turbine for generating electricity
- Tesla valve pulse jet