Address: Beirut, Lebanon   **Phone**: 0096176644139   **Email**: mohamad.muhieddine.4@gmail.com

MOHAMAD MUHIEDDINE

EDUCATION

- **American University of Beirut (AUB)**   **Fall 2010-Present**

Faculty of Engineering and Architecture

Third Year Bachelor in Mechanical Engineering

  - Overall GPA (83.03/100)
  - Last GPA (87.12/100) Fall 2013
  - Awards: Dean's Honor List For Excellence Performance (Spring 2012)

Expected date of graduation: Spring 2014

- **Sagesse Brasilia, Baabda Lebanon**   **June 2010**

Lebanese Baccalaureate in General Sciences with distinction

LANGUAGES

Very good writing and speaking skills in English, French and Arabic

PROFESSIONAL EXPERIENCES

- Work Study Program, American University of Beirut   **Fall 2011-Present**

  Assisted in preparing Welding, Advanced Manufacturing and Lamina modules

- Assistant Research, American University of Beirut   **Summer 2012**

  Worked with graduate students on analyzing and optimizing an orthotic walking device
  for handicaps

PROFESSIONAL MEMBERSHIPS

- Current member of the American Society of Mechanical Engineers ASME

TECHNICAL SKILLS

- **Programming Languages:** C++, MATLAB, Simulink, LabVIEW, G-code for CNC machining
- **Applications:** Autocad, Microsoft Office, Solid Works, SeeNC
- **Other:** Familiar with electronic components/circuits and different lab equipments

ACADEMIC PROJECTS

- Controlled the output temperature of a thermoelectric cooler TEC using Proportional,
  PI and PID controllers using MATLAB, Simulink and LabVIEW
- Designed and calibrated a temperature sensor using LABVIEW
- Designed and programmed a minirobot using LEGO-NXT Mindstorms brain for the
  sumo contest at the American University of Beirut
- Designed and manufactured a micro car for the GeeWiz contest at the American
  University of Beirut
- Designed and manufactured a mechanical treadmill toy using gears, belts and shafts
- Designed a lawn mowing human powered tricycle
- Manufactured two parts of a Formula-1 car model using turning, milling and drilling
  machines
- Studied the performance of a pump under different flow rate conditions

RELEVANT COURSES

- **Courses taken:** C++, Electric Circuits, Electronics, Instrumentation and Measurements, Dynamic System Analysis; Thermodynamics I, Fluids Mechanics; Statics, Dynamics, Mechanics of Machines, Engineering Materials, Mechanics of Materials, Manufacturing Processes I
- **Ongoing Courses:** Control Systems, Mechanical Design I,   Thermodynamics II,
- **Planned Courses (before summer 2013):** Mechanical Design II, Heat Transfer, Biomaterials

REFERENCES

- References available upon request