

**Aaqil Mohammed**  
[aaqilm100@hotmail.com](mailto:aaqilm100@hotmail.com)  
(860) 920-9093

## WORK EXPERIENCE

- 3/2022–Current      **Industrial Engineer – Kaman Corporation - Middletown, CT – (Contract through Belcan)**
- Created visual work instructions for assembly processes, electronic testing, and part inspections
  - Increased ATACMS VWI completion from 60% to 92%
  - Communicated revision requirements for documents with contractors (Raytheon, Lockheed Martin) and assisted in continuous improvement of manufacturing/assembly processes
  - Assisted in equipment and manpower planning and modeling, and time standards for process operations using information from enterprise resource planning databases and time studies
- 8/2021 – 3/2022      **Auto Mechanic - Assistant Manager - Monro Auto Service and Tire Centers - Glastonbury, CT**
- Directed mechanics for job execution, ordered parts, contacted suppliers, filed paperwork for managerial procedures and record keeping
  - Performed oil & filter changes, brakes, tire changes, and other repairs
  - Obtained emissions inspector certification, calibrated emissions equipment
- 1/2019–12/2019      **Office Assistant - Architecture Department, Boston University - Boston, MA**
- Front desk assistant, photocopy, scan, update documents, assist guests, assist department with organizational activities

## EDUCATION

- 2017 – 2021      **Bachelor of Science – Mechanical Engineering – Boston University**
- GPA: 3.24/4
- 2014 – 2017      **High School – Connecticut IB Academy – East Hartford, CT**
- GPA: 4/4, SAT: 1540/1600, member of National Honor Society

## SKILLS

**CAD-** Experience 3D modeling in Solidworks, Creo, AutoCAD, introduction to Revit, Rhino, experience producing manufacturing, electrical, and other schematic drawings

**Prototyping-** Experience operating 3D printers and exposure to machining facilities for production of parts (CNC mill, lathe, laser cutter, drill press)

**Programming-** Experience with Excel, MatLab, RStudio, C programming languages for data analysis, user interface creation, program writing

## PROJECT EXPERIENCE

- Boston University – Statics/Structures Course – Bridge Design**
- Designed and built bridge prototype in college-wide competition
  - Wrote MatLab program for structural analysis
- Bunch Research Lab (Undergrad Research Assistant) – Drafting – Deposition Furnace**
- Drafted manufacturing drawings using AutoCAD for material furnace project
- MIT Cogeneration Plant Analysis Project – Thermodynamics Course – Technical Report**
- Visited MIT Power plant, gathered data, observed facilities
  - Used excel to model efficiency and other key thermodynamic attributes
  - Calculated maximum theoretical efficiency and made recommendations for improvement

## COLLEGE ORGANIZATIONS

- Boston University Formula 1 Engineering Team**
- Assisted in car bodywork (fiberglass), exterior design, wheel rim, and pedalbox projects
  - Modeled/analyzed components in Solidworks, and manufactured aluminum parts using CNC lathe/mill
  - Wrote MatLab program to automatically generate gearbox configurations
- Boston University Undergraduate Architecture Association**
- Attended portfolio and architectural topic events