

WASIFUDDIN MAHMOOD

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EDUCATION

University of Missouri-St. Louis

Bachelor of Science in **Electrical Engineering**, Minor in Mathematics

Dec 2019

CGPA: 3.71

PROFESSIONAL EXPERIENCE

Electrical Engineer | CRB Consulting Engineers, St. Louis, MO

Mar 2020 – Present

- Design electrical systems of intermediate complexity in conformance with code requirements and in coordination with other design disciplines.
- Work closely with other architects, engineers, and designers, as well as other internal and external team members to ensure a coordinated, constructible, and complete design.
- Develop narratives, reports, and construction drawing packages and write construction specifications on small projects of intermediate complexity.
- Plan and direct work and manage a project electrical design budget on small to medium-sized projects of intermediate complexity.
- Lead quality check efforts for small projects of intermediate complexity and drive overall project quality.
- Utilize various platforms to execute work, such as Microsoft Office products and 3D design software such as Autodesk: REVIT, AutoCAD, Navisworks, and BIM 360.

Hardware Engineering Co-Op | Nidec Motor Corporation, St. Louis, MO

Jan 2019 – Aug 2019

- Supported the program development of HVAC and Commercial motor system applications.
- Collaborated with design engineers to debug, modify, and program the hardware and software of electronic controls for quality assurance.
- Assembled and administrated motor case testing while composing results through technical documentation.
- Oversaw the Electrostatic Discharge, Electrical Fast Transient, Surge, Ring-Wave, Emissions, and Power Supply Interruption tests as per UL production requirements.

Solar Energy Intern | Rahimafrooz Renewable Energy Ltd, Dhaka, Bangladesh

Jun 2017 – Aug 2017

- Inspected and analyzed various photovoltaic modules and inverters in order to evaluate the product efficiency.
- Rendered the configuration of solar-powered irrigation pumps according to client resources and requirements.
- Constructed photovoltaic module business proposals for prospective public and private sector clients.

Design Apprentice | Washington University, St. Louis, MO

Aug 2019 – Dec 2019

- Contributed to the product development team by devising, constructing, and programming an automated glasshouse that self-regulates its agricultural environment to promote the growth any type of plant.

TECHNICAL EXPERIENCE

- Significant experience of design software such as COMMcheck, SKM Power Tools, Visual Lighting, pSpice and Aspen.
- Extensive object-oriented programming experience with Java, Javascript, and Matlab.
- Experience with technical hardware preparation via soldering, wire stripping, crimping & harness assembly, and operating mechanical power tools.
- Working knowledge of performance efficiency and improvement using Lean Sigma Six.

LEADERSHIP EXPERIENCE

- Member | Institute of Electrical and Electronics Engineers, UMSL Chapter Aug 2019 – Dec 2019
- Residential Advisor | Occidental College Aug 2016 – May 2017
- Risk Manager & Fundraising Chair | Phi Kappa Psi Fraternity, Cal Mu Chapter Aug 2016 – May 2017
- Fundraising Chair | South Asian Students Association, Occidental College Aug 2016 – May 2017

SKILLS & INTERESTS

- Data Management: Proficient in using Microsoft Office Suite and Google Services.
- Languages: Fluent in Bengali & English, and conversational in Hindi.
- Interests: Amateur soccer & volleyball player, video-gamer, automobile & travel enthusiast.