

# WASIFUDDIN 'WASI' MAHMOOD

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## SUMMARY OF SKILLS

- Prior leadership & co-op/internship experience
- Ability to work independently and as a team
- Detail-oriented & strong ability to multitask
- Highly motivated & a self-starter

## EDUCATION

### **University of Missouri-St. Louis/Washington University Joint Undergraduate Engineering Program**

Bachelor of Science, Electrical Engineering; Minor in Mathematics

Expected Graduation: December 2019

- **Current GPA is a 3.787**
- Tau Sigma Honor Society Member.
- Phi Kappa Phi Honor Society Member.

**Occidental College**-Los Angeles, CA

Transferred: May 2017

### **Engineering Coursework**

Electronics & Electrical Energy Laboratory  
Electrical/Electronic Networks Analysis  
Electrical Engineering Design Project\*

Control Systems I\*  
Technical Writing  
Power, Energy & Polyphase Circuits

Digital Logic\*  
Energy Alternatives\*  
Radar Systems

### **Software/Programming Languages**

JAVA

MATLAB

PYTHON\*

## ENGINEERING RELATED EXPERIENCE

**Nidec Motor Corporation**, St. Louis, MO, USA

January 2019 – August 2019

### ***Electronics Development/Test Co-Op***

- Support hardware testing on development programs for HVAC and Commercial system applications. Interface with software and hardware design engineers to determine the appropriate test parameters on these applications.
- Help develop EV/DV samples for testing and customer evaluation. Assist engineers and technicians with various software and hardware tasks for the test labs.
- Assemble and modify electronic controls for testing and customer samples. Setup and perform testing on motor controls and related hardware while documenting test results.

**University of Missouri St. Louis**, St. Louis, MO

August 2018 – December 2018

### ***Tutor***

- Collaborated with students to host 1-on-1 and group sessions in order to assist them in understanding course materials which include, but are not limited to, the subject areas of Mathematics, Physics, Chemistry and Engineering.

**Rahimafrooz Renewable Energy Ltd**, Dhaka, Bangladesh

June 2017 – August 2017

### ***Solar Intern***

- Analyzed, evaluated and examined various solar inverters. Researched, estimated, and rendered solar pump recommendations for clients according to their requirements.
- Collaborated with the Solar On-Grid team to design solar project propositions for potential future customers. Inspected and observed the operating mechanism of the PV module manufacturing plant, various pre-installed government & private solar panel sites located around Bangladesh.

## **LEADERSHIP & VOLUNTEER EXPERIENCE**

**Occidental College**, Los Angeles, CA

Aug 2016 – May 2017

### ***Residential Advisor***

- Served as initial contact resource and liaison with Occidental College service departments for 300+ residents and mediated conflicts between residents by employing a social justice approach.
- Enforced university dormitory policies, addressed any violations, and managed various administrative duties including maintenance requests, incident reports, and room transfers.
- Collaborated with students and professional staff to develop programs addressing health, work-life balance, policy, career and community concerns, and understanding of social justice.

### **Phi Kappa Psi – Cal Mu Chapter**

2016 – 2017

#### ***Risk Manager***

- Oversaw and monitored risk management programming for 30+ members to assure that measures are in place to prevent accidents and injuries in all chapter activities.

#### ***Fundraising Chair***

- Organized multiple fundraisers raising \$500+ which contributed towards fraternity events & scholarships.

### **South Asian Students Association, Occidental College**

2016 – 2017

#### ***Fundraising Chair***

- Organized fundraising activities which raised \$600+ which contributed to host cultural events for 500+ people.

### **Los Angeles Regional Food Bank**, Los Angeles, CA

August 2017

#### ***Volunteer***

- Assisted in sorting, cleaning and assembling donated food items from local food drives for destitute people.

## **ADDITIONAL SKILLS**

- Experience in Soldering and Wire Stripping, Crimping & Harness Assembly.
- Experience of Operating Mechanical Power Tools.
- Proficient in all Microsoft Office Tools, Google Services.
- Knowledge of Lean Sigma Six.
- Proficient in Bengali.

## **REFERENCES**

### **Jared Lesicko**

*Hardware Engineer, Nidec Motor Corporation*

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### **Joseph O'Sullivan**

*Dean, UMSL-WashU Joint Engineering Undergraduate Program*

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### **Mary McManus**

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