

# Sam Rothlisberger

826 North 14<sup>th</sup> Street, Rm. 102, Milwaukee, WI, 53233 (773)-557-0729

[SAM.ROTHLISBERGER@MARQUETTE.EDU](mailto:SAM.ROTHLISBERGER@MARQUETTE.EDU)

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Undergraduate student at Marquette University, majoring in Electrical Engineering. Skilled in LabVIEW, CAD (Computer Aided Design), JAVA Programming Language, and HTML/CSS. Looking to continue higher education while applying progressing knowledge toward real life engineering tasks.

## Professional Experience

### ARDAGH GROUP INTERNSHIP, ELK GROVE, IL

*Lab Assistant/ Electrical Engineering Intern, Summers and breaks 2016-current*

- Anton Paar machine carbon dioxide and oxygen levels analysis to determine can corrosiveness
- Electrochemical evaluation of corrosion using Gamry machine
- Bench test with uncoated and un-epoxied cans, holding different beverages ranging from alcohol to juice
- Electrical schematic creations/ updates via CAD
- Assisted in electrical panel assembly and implementation
  - Contactors, relays, breakers

### ELECTRICAL ENGINEERING UNDERGRADUATE RESEARCH, MILWAUKEE, WI

*Research Assistant during 2019/2020 school year*

- Verified power measurements for eventual DC-DC power supply change to robot.

## Education

### MARQUETTE UNIVERSITY, MILWAUKEE, WI (THIRD YEAR)

- Bachelor of Science Degree in Electrical Engineering
  - Minor: Military Science and Leadership
- Overall GPA: 3.58/4.00
- Anticipated Graduation year: 2020

### HARPER COMMUNITY COLLEGE (SUMMER CREDIT CLASSES)

- Anthropology

## Achievements

- National Merit Scholarship Corporation Winner in the competition of 2016
- Rear Admiral Louis M Smith Scholarship Winner in the competition of 2018
- Leader of winning team of Fall 2016 and Spring 2017 Freshman student Engineering design projects
- Winner of 'best entrepreneurial aspect' award for Spring 2017 renewable energy project
- Graduation from Basic Cadet Training at Fort Knox, Kentucky in the Summer of 2018
  - Received 'Society of Military Engineers' award for outstanding performance
- Mountain Warfare School in Vermont, Summer 2019

### Clubs and Extracurricular Activities

- Army ROTC- Daily physical training, weekly classes, and biyearly retreats during the school year
- Buddy Ranger competition at Kansas University, Spring 2018 and 2019
- Ranger Challenge competition at Fort McCoy (1<sup>st</sup> place) and Fort Leonard Wood (3<sup>rd</sup> place), Fall 2018
- Marquette Volunteer Corps (MVC)- Tutored kids first to eighth grade, Spring 2017
- JAVA Programming Language Tutor- Helped Freshman complete their homework and projects