

Mohamed A. Belakhoua

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Born in St Louis, MO, 1999

OBJECTIVE

Seeking a summer internship in the fields of battery cell production, power, and Hardware Systems.

EDUCATION

University of Illinois at Urbana-Champaign

Bachelor of Science in Electrical Engineering

Champaign - Urbana, IL

Dec 2022

GPA: 3.53/4.00

- This year taking ECE classes including Analog Signal Processing, Data Structures, and Probability with Engineering Applications

WORK EXPERIENCE

STARZ ELECTRONICS

Jun 2020 – Aug 2020

Automation and Embedded Systems Engineer Intern – Research Team

- Programmed Raspberry PI based medical respirator to monitor and stabilize air pressure and oxygen levels.
- Built dashboards displaying detailed machine data to be used by doctors for patient care. (Node-Red)
- Developed wireless communication for Remote Terminal Units (RTUs) to control remote machines via “LoRa”.
- Designed and prototyped main circuit board for the RTUs based on NXP processor.

STARZ ELECTRONICS

Jun 2019 – Aug 2019

Electrical Engineer Intern – Research Team

- Built a new design for an S5-BMS electronic circuits for Li-ion Battery charging.
- Worked at different stages of Li-ion battery cell production including electrode coating, winding, final assembly, and life cycle testing

CAMPUS LEADERSHIP & INVOLVMENTS

MEN’S SOCCER TEAM

NJCAA Division I

Champaign, IL

Aug 2017 – May 2019

- Student-Athlete full scholarship
- Received M-WAC all Conference Academic Team personal award
- Committed 30 hours per week to training, meetings, travel, and competitions

MATH CLUB PRESIDENT

Aug 2019 – May 2020

- Directed and supervised overall operations and staff activities of the club
- Attended and participated in various events as club’s representative

MEMBER OF IEEE AT THE UNIVERSITY OF ILLINOIS

Aug 2020

PEER TUTOR

Aug 2019 – Dec 2019

- Tutored fellow undergraduate students in mathematics, physics, and computer science courses

SKILLS & HONORS

HONORS: Dean’s List 2019

TECHNICAL: C, C++, Python, Java, and Node-Red

LANGUAGE: English, French, and Arabic (Fully Trilingual)