

Saadullah Ehsan

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EDUCATION

University of Illinois at Urbana-Champaign, Champaign IL *Expected: May 2027*
Bachelor of Science, Electrical Engineering *GPA: 3.36*

Relevant Coursework: Semiconductor Electronics | Analog Signal Processing | Computer Systems & Programming | Probability in Eng. Applications | Introduction to Electronics | Computing in Python | Intro to Computing (C & C++) | Quantum Mechanics | Lin. Algebra with Comp. Applications | Calculus

International School of Creative Science, Dubai UAE *May 2023*
International GCSEs and A-Levels (IAL)

Relevant Coursework: IAL Mathematics (A*) | IAL Physics (A*) | IAL Chemistry (A) | IAL Further Mathematics (B) | IGCSE Computer Science (A*)

ACTIVITIES, LEADERSHIP & PROJECTS

Illini Formula Electric, University of Illinois *January 2024- Present*
Circuit Design Team Member

- Collaborated with a multidisciplinary team to design and develop the power distribution and control systems for electric race-car.
- Developed and optimized PCBs to implement battery management systems (BMS) and safety features to ensure safe and efficient energy usage.
- Conducted extensive testing and validation of electrical components and systems, identifying and resolving issues promptly.

RIT Engineering Competition, RIT Dubai *February 2023*
High School Team Captain

- Secured first place in the Team Mathematics Competition competing against high schools from across the country.
- Collaborated effectively with team members to solve complex mathematical problems within a competitive environment, employing critical thinking and analytical skills to achieve victory.
- Recognized for outstanding performance and leadership in mathematics.

Model United Nations, American University of Sharjah *February 2022*

- Conducted extensive research on assigned topics, drafted position papers, and effectively debated and negotiated with fellow delegates, fostering critical thinking and communication abilities.
- Recognized with awards or honors for outstanding diplomacy, leadership, and negotiation skills demonstrated during Model UN conferences, showcasing the ability to collaborate and find solutions to complex global challenges.

EXPERIENCE & VOLUNTEERING

Student Worker at ECEB Supply Center & Facilities, University of Illinois *September 2023 – May 2024*

- Organize and prioritize package deliveries to ensure timely distribution to faculty members.
- Additionally, serve as one of the primary points of contact for electronic components sales at the supply center.
- Provide excellent customer service to assist students, faculty, and staff in selecting and purchasing electronic components.

Volunteer at Friends of Champaign County Food Pantry, Champaign IL *January 2024 – Present*

- Assist in organizing and distributing food items to individuals and families in need.
- Provide friendly and supportive service to clients, ensuring a welcoming environment.

SKILLS/HOBBIES

Skills: PCBs, Python, C, C++, LC-3, Vivado, Altium, CAD, MATLAB, HTML, MS Excel, MS PowerPoint, Soldering, Oscilloscope, Multimeter, Fluent in 4 Languages (English, Urdu, Hindi, Arabic)

Hobbies: Formula 1, Football, Board Games, Cricket, Soccer, Table Tennis