

# Ziad AlDohaim

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## EDUCATION

University of Illinois at Urbana-Champaign (*fully funded by KGSP*)

May 2026

**Bachelor of Science in Electrical and Computer Engineering (Grainger Engineering)**

Coursework: Discrete Structures, Analog Signal Processing, LC3, C, C++, Finite State Machines, DC Circuitry, Digital Logic through CMOS circuitry.

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## PROFESSIONAL EXPERIENCE

**Protein Express (Start-up)**

Consultant

Aug 21 – Current

- Provided guidance on financial planning, including budgeting and forecasting, to ensure Protein Express maintained a financially sound foundation while starting its operations.
- Collaborated closely with the Protein Express team to conduct rigorous product testing, ensuring the quality, taste, and nutritional value of their offerings met industry standards and customer expectations.
- Offered recommendations on marketing strategies and branding efforts.

**Solana Living (Property Management)**

Data Analyst Intern

Jun 2023 – Aug 2023

- Spearheaded beta testing for a mobile app, meticulously documenting bugs, and inconsistencies in line with Functional Requirements Document (FRD), elevating user experience.
- Conducted thorough market research on residential compounds, creating competitive pricing comparisons, and utilizing financial modeling to forecast cash flow for informed decision-making.
- Employed Python for site scraping to retrieve rental prices, facilitating insightful comparative analyses.

**Arabian Project Company, APC (Smart Home Solutions)**

Strategic Projects Analyst and Coordinator

May 2022-July 2022

- Conducted insightful market research, offering recommendations for smart homes, contributing to strategic decision-making.
- Played a pivotal role in designing, managing, and executing projects, enhancing efficiency and profitability through strategic planning and execution.

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## TECHNICAL PROJECTS

**Producer – M&S's PL Podcast**

Sep 2021 – May 2022

- Produced and edited a top-rated football podcast, fostering in-depth analysis and insightful interviews on the Premier League.
- Nurtured relationships with key stakeholders, resulting in guest appearances and sponsorship deals.

**Inventor – Arduino and Raspberry Pi**

May 2020-May 2021

- Led the development of a sophisticated garbage sorter prototype, incorporating Arduino and Raspberry Pi, aligning with the Saudi Green Initiative.
- Designed an AI-based prototype for alerting deaf individuals to potential dangers, showcasing advanced features like heart rate detection and environmental cues.

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## LEADERSHIP AND CLUBS

**EntreCorps**

Consultant

- Played a pivotal role in increasing profitability through strategic improvements in event registration and management processes.

**Illini Solar Car**

Mechanical Design and Manufacturing Engineer

Jan 2023 – Current

- Designed and meticulously modeled electronic enclosures using CAD software to ensure precise fit and component protection, optimizing solar car performance.
- Actively contributed to hands-on manufacturing of solar car components, including carbon fiber layup and mechanical fabrication, showcasing dedication to quality craftsmanship

**DooomiDoo – Supervisor**

Jun 2020 –Aug 2020

- Led a high-performing team of staff, supervising daily scheduling and task assignments to ensure the smooth and efficient operation of the facility.
- Demonstrated strong leadership skills, maintaining high levels of productivity and motivation among team members.

**Riyadh Electronics Technician**

Electronics Troubleshooting and Custom PC Builder Volunteer

Nov 2020-May 2021

- Diagnosed and resolved issues in electronic devices, restoring full functionality, and exceeding client expectations.
- Demonstrated resourcefulness by building custom PCs within budget constraints, optimizing performance and value through meticulous component selection and quality assurance.

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## SKILLS

**Skills:** Mechanical Design, Problem Solving, Project Management, Leadership, Market Research, Financial Modeling, Data Analysis, Technical Documentation, Communication, and Team Collaboration.

**Programming Languages:** C/C++, LC3, System Verilog, x86, and Python

**Languages:** English, Arabic

**Tools:** AWS, Git, Excel, PowerPoint, Jupyter Lab