Yousef Khojah

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EDUCATION

Bachelor of Engineering in Electrical Engineering   **Anticipated Graduation: May 2027**

University of Illinois at Urbana-Champaign, IL   **GPA: 3.76**

- Relevant Coursework: *Digital Systems Laboratory, Computer Systems & Programming Statistics and Probability*

Certifications

- **KAUST Gifted Student Program - Foundation Year Program,**   **Sep 2022 – June 2023**
  Pennsylvania State University, State College, PA
  - A customized full-time foundation year program taking non-credit courses: calculus, physics, engineering. With academic tutoring: writing, math, essay coaching

RESEACH EXPERIENCE

King Abdullah University of Science and Technology, Thuwal, Saudi Arabia   **June 2021 – May 2022**

Research Intern – Electrical Engineering Dept.

- Worked on a project under Dr. Al-Attar's mentorship to enhance an analog communication system's performance and overcome its limitations using Software-Defined Radio techniques
- Characterized components from antennas, power amplifiers, local oscillators, and band-pass filters
- Tested different carrier frequencies to verify its transmission of digital data with a low bit error rate

AWARDS & HONORS

Recipient – *KAUST Gifted Student Program (KGSP) Scholarship*   **April 2022 – Present**

- KGSP is a prestigious scholarship awarded by King Abduallah University of Science & Technology to a select group of Saudi students allowing them to pursue undergraduate degrees in STEM fields in the US

Award Winner – *K.Soumyanath Memorial Award*   **May 2022**

- K. Soumyanath memorial special award received at International Science and Engineering Fair for presenting my research project on communication systems clearly with understanding of its methodology

EXTRACURRICULAR ACTIVITIES

Club Member, *Illinois Solar Decathlon*   **August 2023 – January 2024**

- Researched and presented energy-efficient and environmentally friendly design solutions for a town hall for Rantoul Town as part of the concept team

SKILLS & PROJECT HIGHLIGHTS

Research, Technical: Software-Defined Radio, Communication Systems, Programming in C/C++ & Python, GNURadio Program

Language: Fluent in Arabic (Native), English (Fluent)