William Powers

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Objective

- Highly motivated and skilled computer engineering with a strong focus on embedded system design who is seeking a challenging position where I can contribute my technical expertise and innovative mindset. Through my dedication to continuous learning of cutting-edge technologies and my hands-on experience in embedded development, I aim to leverage my skills to design efficient and reliable solutions that push the boundaries of technological advancement. My goal is to contribute to a dynamic team, stimulate a collaborative environment, and make a significant impact in the realm of embedded systems.

Experience

EMBEDDED SYSTEMS DEVELOPER | CRESIS - UNIVERSITY OF KANSAS **MAY 2023 – PRESENT**

- Developed and deployed embedded radar systems with Zynq system on chip FPGA's. This position includes hands on experience with systems design, embedded programming, device drivers, real-time systems, hardware validation and debugging, and larger system integration.

MACHINE LEARNING ENGINEER | UGRA - UNIVERSITY OF KANSAS **JAN 2021 – PRESENT**

- Creating an algorithmic trading platform to be used for building, testing, and deploying fully automated model driven trading systems. Building this platform requires a large amount of work in data processing and storage, feature engineering, real-time model training and storage, as well as general web design.

PLC SYSTEMS & CONTROL INTERN | EXPERITEC AUTOMATION **MAY 2022 – AUG 2022**

- Designed and installed industrial automation and field instrumentation as part of process control in large manufacturing facilities. Skills learned included system hardware design, software configuration, instrument programming, and overall process control performance analysis.

Education

BACHELORES OF ENINGEERING | UNIVERSITY OF KANSAS **AUG 2020 - PRESENT**

- Major: Computer Engineering
- Cumulative GPA: 3.85 | ACT: 32 | SAT: 1480
- Achievements: Academic Honors, Engineering Honors
- Related Coursework: Digital Signal Processing, Embedded Systems, Signals and Systems Analysis, Communication Networks, Computer Architecture, Electronic Circuits, Software Project Planning

Technical Skills

- RTL Programming for FPGA's
- Zynq SoC Design and Development
- Digital Signal Processing
- RF System Design
- Linux Device Driver Programming
- Machine Learning Model Development
- AWS Database Design and Management
- Web Development with MERN Stack