

Ethan Ankley

Creative Engineer

Contact

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Education

Northern Arizona University
Flagstaff, AZ
B.S. Electrical Engineering
Computer Concentration

Key Skills

Programmable Logic-
Circuitry (PLC)
AutoCAD
Project Management
Circuit design
Software Programming
Hardware programming
Automatic control theory
Ladder logic
Budget Planning
Communication
Problem-solving

Achievements

Theta Tau Prospective-
Member Instructor
Eagle Scout

Objective

Highly skilled and experienced Project Engineer with a passion for innovation and creativity, seeking a Creative Engineering position. Leveraging expertise in power upgrades and multi-system integrations and implementations gained through successful projects at NBC Universal, aiming to innovate and create the next big attraction for themed entertainment.

Experience

JUNE 2022 - PRESENT

Project Engineer | NBC Universal

- Led and designed Newsroom refresh incorporating state of the art technologies
- Innovated state of the art transportable broadcast operator station
- Implemented innovative sound system for targeted media viewing
- Launched media routing system restructure resulting in annual savings of \$500,000
- Led multi-disciplinary facility power upgrade improving operational efficiency
- Provide expert knowledge in device architecture and integration
- Led weekly project meetings, to maintain project timeline and budgets
- Curated vendor / labor bids from requirements adhering to timeline and budget

AUGUST 2020 – MAY 2021

Research and Development | W.L. GORE, Northern Arizona University

- Innovated state of the art rechargeable cardiac pacemaker
- Designed scalable prototype for integration with modern pacemaker
- Exceeded specified requirements while maintaining 30% budget
- Programmed device interface to supply analytics and statistical data
- Created and maintained documentation tracking processes

ARIL 2024 – PRESENT

Founder | InnovEngeDesigns

- Established InnovEngeDesigns as a personal project to showcase my skills, creativity, and passion for innovative and creative technology
- Conceptualized and developed website from ideation to execution, including defining vision, layout, and technical aspects
- Curated and presented a portfolio of personal projects demonstrating proficiency in innovative technology and engineering design
- Investigated hypotheses into holographic technologies.
- Designed first-of-its-kind “multi-Coaster” capable of providing a different riding experience equaling a permutation of the number of intersections and track

Activities

- Holographic technology research and development
- Designed innovative roller-coaster concept
- Rockwell automation and Allen-Bradley programming
- Themed Entertainment Association (TEA) Member
- IAAPA member
- Theta Tau Professional Engineering Fraternity, Omicron Epsilon Chapter