

Eriq C. Lucero

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Education

University of Illinois at Urbana-Champaign

Master of Business Administration

December 2026

Field Specialization: Entrepreneurship and Strategic Innovation

GPA: 3.83/4.00

Master of Engineering in Mechanical Engineering

December 2023

Field Specialization: Energy

GPA: 3.57/4.00

Bachelor of Science in Systems Engineering & Design

December 2020

Field Specialization: Internet of Things

GPA: 3.23/4.00

Lean Six Sigma Green Belt Certification Credential ID: 31655955

Work Experience

The Boeing Company

February 2023 - Present

Systems Engineer - USAF E-7A Rapid Prototype – Active Secret Clearance

Tukwila, WA

- Managed 1000+ Subsystems Requirements in CAMEO/MSOSA for customer approval
- Reviewed 10+ Functional Schematics in VISIO to validate and create requirements
- Led United States Air Force customer discussions on direction with scope and contract changes
- Collaborate with cross-functional teams, including software developers, mission systems engineers, and project managers, to ensure system coherence and efficiency
- Created 10+ desktop instructions identifying key aspects of technical context in Confluence

January 2022 – February 2023

Associate Systems Engineer - GMD Verification Team

Huntsville, AL

- Analyzed Objective Evidence for 300+ requirements in DOORS for customer review and approval
- Led team discussions in workflow improvements by implementing JIRA digital environments, reducing necessary contingency time by 20%
- Reviewed Booster Vehicle (BV) documents from Northrop Grumman to validate data
- Produced 50+ Closure Packages with 2 weeks contingency to ensure customer satisfaction
- Implemented Cameo with GMD Model Based System Engineering (MBSE) teams to improve organizational efficiency in GMD Verification

ENSCO, Inc.- Applied Technology and Engineering Division

June 2021 – January 2022

Field Engineer

Homewood, IL

- Managed electro-mechanical issues with customers through Agile/JIRA workflow to maintain Autonomous Inspection Vehicles, reducing service idle time by 26%
- Calibrated and installed optical, laser, and lateral load systems on Inspection Trains using hand tools to detect rail defects
- Performed simulation procedures on-site with test equipment to verify durability of ENSCO Products

Mapes and Sprowl Steel- Union Partner's Group LLC

May 2020 – May 2021

Electrical Engineering Intern/ Quality Assurance, IoT, & Manufacturing

Elk Grove Village, IL

- Created SQL Databases to monitor furnace temperatures and speeds to validate proper specifications
- Outlined furnace nitrogen line in 2D modeling with DraftSight to prevent oxidization in steel
- Programmed two UI applications in C# to analyze furnace and slitter runtime and temperatures
- Achieved 15% in time efficiency in slitter runtime and corrected 200°F of temperature error in furnace

Skills

Software Languages: Java, HTML, Python, C/C++/C#, SystemVerilog, IEEE 488.2

Applications: MATLAB, Inventor, ANSYS, LabVIEW, MySQL, Microsoft Office, Minitab, EagleCAD, DraftSight, Quartus, Simulink