

MORGAN NICHOLSON

Principal Systems Engineer

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📍 Colorado Springs, CO



EXPERIENCE

Principal Systems Engineering Consultant

[Rationality Engineering Design, Inc.](#)

📅 07/2020 - Ongoing 📍 Colorado Springs, CO

- Provides professional engineering, training, technical consulting and forensic engineering services.

Adjunct Professor

[University of Colorado](#)

📅 2019 - Ongoing 📍 Colorado Springs, CO

- Teaches Graduate courses in Engineering and Applied Science (EAS) department. Courses include Systems Engineering, Engineering Project Management, System Architecting and Capstone Project.

Principal Systems Engineer

[L3Harris Technologies](#)

📅 01/2013 - 07/2020 📍 Colorado Springs, CO

- Supervised team of Chief Engineers for \$1B+ portfolio of SSA optical, radar and command/control systems.

Senior Systems Engineer

[Kwajalein Range Services](#)

📅 05/2010 - 12/2013 📍 Kwajalein, RMI

- Provided technical support for mission operations, maintenance, development, installation, and test of radar modifications at ALCOR.

Systems Engineer | Officer

[United States Air Force](#)

📅 01/2006 - 05/2010 📍 Peterson AFB, CO

- Directly supervised a five-member team of military and civilian employees responsible for sustainment of AN/FPQ-16

AWARDS



Harris Technology Innovation Award



Harris Technical Leadership Award



Harris President's Award



Harris Quality Cup Award



Exelis Emergent Talent Leadership Development Program



Exelis Sustained Superior Achievement Award

EDUCATION

Ph.D. Systems Engineering

[University of Alabama, Huntsville](#)

📅 2013 - 2019

- Dissertation Title: "A Theoretical Evaluation of Engineering Conceptual Design Methodologies"
- Minors in Engineering Management and Probability and Statistics

Master of Business Administration - Finance

[University of Kansas](#)

📅 2020 - 2022

B.S. Electrical Engineering and Mechanical Engineering

[University of New Mexico](#)

📅 2000 - 2005

CERTIFICATION

[Licensed Professional Engineer \(PE\)](#)

State of Colorado (P.E.07717)

[Certified Systems Engineering Professional \(CSEP\)](#)

INCOSE (00933)

[Certified Quality Engineer \(CQE\)](#)

American Society for Quality

[Certified Reliability Engineer \(CRE\)](#)

American Society for Quality

[Project Management Professional \(PMP\)](#)

Project Management International (PMI)

[Certified Professional Engineering Manager \(CPEM\)](#)

American Society for Engineering Management