

BRIAN ZARK

San Diego, CA 92124

PROFESSIONAL REGISTRATION

- Professional Engineer (PE), State of California, License No. 34903

WORK EXPERIENCE

Point Loma Nazarene University

Adjunct Professor | 08/2026 – Present

- Instruct and mentor senior engineering students during their capstone Senior Project in Engineering course.

Northrop Grumman Corporation

Airworthiness Engineer | 08/2022 – Present

- Serves as an airworthiness lead on the E-11A Battlefield Airborne Communications Node payload.
- Authored an Airworthiness Assessment Report and a comprehensive Airworthiness Risk Assessment for all system non-rechargeable Lithium batteries.
- Ensure full regulatory alignment for high-value defense communications hardware.

U.S. Navy – Fleet Readiness Center Southwest

Aerospace Engineer | 08/2015 – 08/2022

- Ensured fleet-wide lifecycle readiness and airframe capability on the F/A-18 Critical Structures Team.
- Evaluated structural engineering data to successfully execute 33 Service Life Extension Authorizations (SLEA) for mission-essential wings and aircraft.

Northrop Grumman Corporation

Structural Engineer | 06/2008 – 05/2012

- Completed more than 20 detailed Structural Analysis Reports for newly integrated system components on the Joint Strike Fighter (F-35) program.
- Authored stringent test procedures and directed engineering teams and equipment configurations for high-level, classified structural testing events.
- Worked in a control room during live classified test sequences.

U.S. Air Force

Mechanical Engineer | 05/2003 – 09/2007

- Monitored live structural data and engine telemetry inside the control room during high-stakes Delta II rocket launches.
- Led a technical engineering team to diagnose, isolate, and resolve a critical, fleet-grounding main engine weld anomaly.
- Selected for a prestigious six-month Air Force / NASA engineering exchange program at the Jet Propulsion Laboratory (JPL) in Pasadena, CA.

EDUCATION

- Juris Doctor (JD) – Michigan State University College of Law (May 2015)
- Master of Science (MS), Airworthiness Engineering – Embry-Riddle Aeronautical University (Dec 2024)
- Master of Science (MS), Aerospace and Mechanical Engineering – University of Southern California (May 2008)
- Bachelor of Science (BS), Aeronautical Engineering – United States Air Force Academy (May 2003)