

David Jordan Almeida

davidalmeida3.1478@gmail.com | (309) 292 5674 | Ithaca, NY

A Naval Nuclear Power veteran and current Junior Mechanical Engineering student at Cornell University, with extensive experience in machinery operations, equipment calibration, and leadership in high-pressure environments. Skilled in nuclear propulsion systems and technical training, I am seeking a role in general research and development (R&D) supporting the Department of Defense.

EDUCATION

Cornell University

Bachelor of Science, Mechanical Engineering

Expected Graduation: May. 2027

Ithaca, NY

Relevant Coursework: Statics, Electromagnetism, Differential Equations, Linear Algebra, Fluid Mechanics, System Dynamics and Materials.

TECHNICAL SKILLS

Familiar with Python, Matlab, Fusion 360 CAD

TECHNICAL QUALIFICATIONS

Chief (Supervisor) Machinery Operator, Quality Assurance Inspector, Nuclear Valve Operator, Steam and Reactor Plant Cleanliness Inspector Journeyman Calibration Technician for Aviation and Nuclear Plant Systems.

WORK EXPERIENCE

Machinery Room Supervisor

US Navy (Aircraft Carrier)

Apr 2020 – May 2022

Yokosuka, Japan

- Supervised the operation of **propulsion turbine engines, turbine generators, lube oil systems, a reboiler and water distillation** in an A4W reactor propulsion plant with a watchteam of 8 sailors.
- Performed maintenance on **small valves, PKP and CO2 extinguishers, AFFF hose reels, and SCBA equipment**.

Calibration Technician

US Navy (Aircraft Carrier)

Jan 2020 – Jul 2021

Yokosuka, Japan

- Performed calibration of **pressure gauges, torque wrenches, bimetallic thermometers, inside and outside micrometers, weight scales and temperature and pressure switches**.
- As a part of the only forward deployed aircraft carrier calibration shop, I calibrated equipment vital for the maintenance of 100+ aircraft across 3 US Military bases in Japan, and 30+ ships in the 7th fleet carrier strike group.
- The sole on-call technician responsible for propulsion plant gauge calibration during pre-deployment equipment testing.

Nuclear Propulsion Plant Machinery Operator

US Navy (Aircraft Carrier)

Jul 2016 – Jul 2022

Yokosuka, Japan

- Coordinated on a team of 100+ personnel to coordinate between the ships operation requirements and the nuclear propulsion plants requirements and met 93% ships operational requirements.
- Participated in 4 deployments that included maintaining an international waterway in the South China Sea, as well as ensured critical aerial support for 3 months during the withdrawal from Afghanistan in September of 2021.

Patient Care Technician

Graham Hospital Emergency Department

Jan 2015 – Feb 2016

Canton, IL

- Provided 300 hours of volunteer work from 2012-15 (ages 14-16 years old) maintaining cleanliness, transporting patients and lab samples for both day and night shifts.
- Qualified Certified Nursing Assistant at age of 16 and expanded patient role to include performing emergency CPR, providing basic patient fluid testing for blood, pregnancy and urine.
- Worked on a team of 8-14 healthcare professionals triaging incoming patients, providing patient care, and responding to medical emergencies.