

# David Jordan Almeida

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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

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### Cornell University

Bachelor of Science, Mechanical Engineering

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

**Expected Graduation: May, 2027**

Ithaca, NY

## TECHNICAL SKILLS

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Familiar with Python, Matlab, Fusion 360 CAD

## TECHNICAL QUALIFICATIONS

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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

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### 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.