

Andrew Ruff

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EDUCATION

- San Diego State University Undergraduate Mechanical Engineering Projected Graduation: May 2023

PROFESSIONAL SUMMARY

- **Active Secret Security Clearance**
- Exceptional Organizational Skill
- Attention to Detail
- Strong Mechanical Skills
- Skilled Troubleshooting
- Strong Understanding of Technical Manuals & Blueprints
- Strong Team Player
- Effective Team Leader
- Experienced Multi-Tasker
- Strong Verbal & Written Communication Skills
- Skilled at Conflict Resolution
- Quality Assurance Experience
- Cross Cultural Communication

RELATED EXPERIENCE

College Intern Fire Scout Test Lab, Northrup Grumman, Rancho Bernardo, CA Summer 2020/21/22

- Assisted technicians with daily lab and test duties.
- Created and updated technical and lab documents using Atlassian software and drawings in Visio.
- Ran testing dry runs on mobile control station to ensure no issues during formal test using SpiraTest.
- Created new test procedures for a mobile control station to test new software.
- Updated and created new test procedures for formal test QA audit.
- Performed formal test audit prior to formal test with Software QA.
- Performed troubleshooting RF radar connection issues and other electrical connections.

SAE Baja Racing Suspension/Ergonomics Team Lead, San Diego State University August 2019-Present

- Use SolidWorks, Autodesk Inventor and Creo to design and create parts and assemblies.
- Use Ansys to analyze forces and optimize parts and assemblies.
- Use Microsoft Excel to create calculators to document and make calculations more efficient.

EXPERIENCE

CH-53E Mechanic, U.S. Marine Corps, San Diego, CA July 2014-July 2019

- Supervised & delegated daily maintenance actions for over 40 workers.
- Provided mentorship & coaching to 35 members in work center.
- Provided technical training to 63 members in work center with a 100% proficiency rating.
- Maintained \$438.48 million fleet of 18 Sikorsky helicopters, acquired expertise on engine, rotor, transmissions, flight controls, & fuel systems.
- Selected as a Quality Assurance Inspector; performed over 350 inspections totaling in over 2400 manhours.

TRAINING

- Marine Corps Air Station Miramar, Small Unit Leadership course. June 2018