

JAMES MACHEN

Hampton, VA 23666 • (804) 384-3248 • jmach007@odu.edu • WWW: [Online Digital Resume](#)

Education

Bachelor of Science: Mechanical Engineering Technology, Expected in 05/2024

Old Dominion University - Norfolk, VA

- Relevant Coursework: 40 Elective Credit hours studying the Lockheed Martin F-22 Raptor and Pratt and Whitney F119 Engine
- 3.82 GPA
- Extracurricular Activities: 3 Years of Volunteer Firefighting to learn structures and fire science

Professional Summary

Highly skilled F-22 mechanic with 3 years in aviation maintenance industry. Repaired and maintained aircraft engines, flight systems and avionics at large MRO facility. Upon completion of BS in Mechanical Engineering Technology will use aviation background to design new aircraft systems.

Skills

- Aircraft Repair and Maintenance
- Autodesk Inventor, Autocad, Excel, Powerpoint
- Safety Requirements
- Operational Efficiency
- Technical Data Interpretation
- Troubleshooting Issues

Work History

5th Generation Tactical Aircraft Maintenance, 11/2019 to Current

Virginia Air National Guard – Hampton, VA

- Analyzed engineering drawings and schematics to troubleshoot systems and diagnose solutions.
- Documented all inspection and maintenance actions in aircraft forms, IMDS and IMIS.
- Diagnosed faults and developed resolution plans.
- Removed components such as landing gear, engines and flight control.
- Achieved supervisory role as Limited 7-Level (Full responsibility as task leader for some jobs)
- Helped facilitate 4 mobilizations, including up to 16 F-22s and all tools and support equipment.

Manager, 06/2018 to 10/2019

Mobjack Nurseries Inc. – Mathews, VA

- Analyzed blueprints for Strata solar farm site and networked with other managers to plant 1500 tree perimeter.
- Accomplished multiple tasks within established timeframes.

- Maintained irrigations systems and repaired heavy equipment.
- Cross-trained existing employees to maximize team agility and performance.

Languages

Spanish



Limited Working