

Blake Nguyen

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SUMMARY

Detail-oriented Automotive Mechanic Trainee with a solid foundation in diagnosing and repairing gas and diesel engines. Experienced in performing preventative maintenance, ensuring safety compliance, and enhancing operational efficiency. Collaborated well within cross-functional teams, addressing customer needs effectively while committing to continuous learning in the automotive field. Eager to contribute skills gained through hands-on training, field research, and academic projects to advance career in automotive technology. Opened communication channels with internal departments, strengthening team dynamics and improving service delivery.

EDUCATION

Associate of Applied Science in Automotive Technology

Northern Virginia Community College GPA: 3.8

Coursework: Automotive Systems, Safety Regulations, Diesel Mechanics, Engine Performance

2026

Fairfax, VA

TECHNICAL SKILLS

- **Diagnostic Tools:** OBD-II Scanner, Multimeter, Oscilloscope
- **Repair Software:** Alldata Repair, Identifix, Mitchell OnDemand
- **Maintenance Scheduling:** Fleet Management Software, Excel Spreadsheets, Vendor Management Systems
- **Mechanic Hand Tools:** Wrenches, Sockets, Screwdrivers
- **Safety Equipment:** Eye Protection, Gloves, Respirators
- **Lubrication Tools:** Grease Guns, Oil Filters, Fluid Funnels
- **Fluid Change Materials:** Motor Oil, Coolants, Brake Fluids
- **Analyzing Technologies:** Technician Software, Vehicle Dashboards, Diagnostic Apps
- **Testing Tools:** Compression Tester, Battery Tester, Gas Analyzer
- **Vehicle Components Knowledge:** Brake Systems, Fuel Systems, Exhaust Systems

SKILLS

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|----------------------------|---------------------------|-----------------------------|------------------------------|
| • Automotive diagnostics | • Safety compliance | • Process optimization | • Transmission repairs |
| • Preventative maintenance | • Team collaboration | • Equipment troubleshooting | • Engine performance testing |
| • Diesel engine repair | • Customer engagement | • Fluid analysis | • Regulatory adherence |
| • Hydraulic systems | • Technical documentation | • Electrical components | |

EXPERIENCE

Automotive Mechanic Intern

University Project

January 2025 - August 2026

Fairfax, VA

Participated in an intensive automotive internship focused on diagnostics and repairs for light-duty vehicles. Engaged with instructors and peers to learn repair techniques, troubleshoot issues, and conduct routine maintenance.

- Collaborated with a team to diagnose and repair various light-duty vehicles as part of an academic automotive project.
- Conducted preventative maintenance including oil changes and brake inspections to ensure vehicle reliability.
- Assisted in troubleshooting systems like diesel engines and hydraulic units, enhancing overall performance.
- Utilized diagnostic tools and software for analyzing vehicle issues, improving response times significantly.
- Documented repair processes and maintenance schedules for compliance with industry standards.
- Engaged energetically in hands-on training, sharpening skills in engine repair and systems maintenance.

Mechanical Systems Research Assistant

Academic Research

September 2024 - December 2024

Fairfax, VA

Supported mechanical systems research, focusing on engine efficiency and emission reduction technologies. Gained exposure to practical engineering tasks connected to automotive mechanics.

- Contributed to tests on combustion engines, documented results, and presented findings succinctly.
- Assisted in assembling and disassembling engine prototypes to deepen technical understanding.
- Partnered with faculty to produce research papers on innovative approaches to automotive challenges.
- Strengthened knowledge of safety protocols while engaged in laboratory work.
- Enhanced diagnostic capabilities through experimental evaluations and teamwork experiences.
- Fostered dialogue with peers to discuss collaboration strategies in research contexts.

LEADERSHIP & AWARDS

- Dean's List, Northern Virginia Community College (2025)
- First Place, University Automotive Competition (2025)

CERTIFICATIONS

- Automotive Service Excellence (ASE) Certification 📅 2026
- Basic Automotive Maintenance Certification 📅 2025

PROFESSIONAL AFFILIATIONS

- Member, Automotive Enthusiasts Club, Northern Virginia Community College (2024 – Present)
- Volunteer, Local Community Car Maintenance Workshops (2025)

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST