

Payton Mensch

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Education

ECPI University

Bachelor of Science: Electronics Engineering Technology

Virginia Beach, VA

2024, GPA 3.35

ECPI University

Master of Science: Systems Engineering

Virginia Beach, VA

Expected: 2026, Current GPA 4.0

Experience

AI/ML Engineer

US Army

May 2024 – Present

Fort Carson, CO

- Developed Machine Learning models to predict logistics data saving 100 hours a week
- Worked on US Army's NGC2 project, designing, testing, and deploying four applications to a new environment
- Developed AI-powered translation capabilities for international military collaboration used by Special Forces

Electronics Maintenance Shop Foreman

US Army

Oct. 2020 - May 2024

Fort Carson, CO

- Led and Managed a team of 16 on electronic maintenance of Army equipment and systems, repairing over 5k items
- Implemented strict accounting of equipment totaling over 12mn leading to no losses
- Installed and maintained over 100 RF, VHF, UHF, and SATCOM systems

Radio Communication Security Technician

US Army

Nov. 2016 – Oct. 2020

Fort Wainwright, AK

- Repaired over 1000 faulty radio systems
- Assisted in cross-team collaboration to repair over 2000 Night-Vision Devices
- Cross-developed skills to repair hand-held missile targeting systems

Projects

Small Game Project | Python, AI, ML

Aug. 2025 – Present

- Developing small project to train in application deployment across multiple environments

AI Local Translation | Python, AI, ML

Feb. 2025 – July 2025

- Developed for local units and Special Forces
- Rapidly aggregated and trained parallel corpus strategy
- Abstract published by West Point in 2025 Innovation Symposium

Logistics Prediction | Python, Tensor-Flow, Maven, AI, Git

May 2024 – Feb. 2025

- Developed predictive logistics modeling for maintenance fleets
- Over 100 hours a week of personal computation saved

Technical

Languages: Python, JavaScript, HTML/CSS

Frameworks: Flask, Fast-API

Developer Tools: Git, VS Code, Jupyter

Libraries: Pytorch, Tensor-Flow, Scikit, Seaborn, pandas, NumPy, Matplotlib

Certifications: AC/DC Circuits, Nvidia Deep Learning Fundamentals and Nvidia Generative AI & Diffusion Models

All Microsoft Applications

Recognition & Other Skills

2-Army Commendation Medal (ARCOM)

5- Army Achievement Medal (AAM)

1-Army Certificate of Achievement

Abstract published by West Point in 2025 Innovation Symposium

Spanish - Fluent