Payton Mensch

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# Education

**ECPI University** Virginia Beach, VA

*Bachelor of Science: Electronics Engineering Technology* *2024, GPA 3.35*

**ECPI University** Virginia Beach, VA

*Master of Science: Systems Engineering Expected: 2026, Current GPA 4.0*

# Experience

**AI/ML Engineer** May 2024 – Present

*US Army 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** Oct. 2020 - May 2024

*US Army 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** Nov. 2016 – Oct. 2020

*US Army 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**