



# GARRETT DROLET

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## Professional Summary

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Technical professional with expertise in data analytics, automation, and software engineering, specializing in analytical operations and computational systems. Proficient in Python, Java, and data modeling to design scalable tools that improve system reliability and optimize workflows. Experienced in analyzing complex technical data, troubleshooting system-level issues, and collaborating cross-functionally to drive measurable improvements in operational efficiency. Trusted to own complex problems, build reliable solutions, and deliver results with minimal oversight.

## Skills

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- Python
- Java
- C, C++ and C#
- R programming
- HTML and PHP
- Data analysis with Excel
- Pandas and NumPy
- Machine learning with TensorFlow
- Data visualization with MatPlot library
- SQL database management
- Time management skills
- Communication skills
- Organizational skills
- Analytical thinking abilities
- Microsoft Office proficiency
- Google Workspace expertise

## Experience

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### Netherland, Sewell & Associates, Inc. Petroleum Analyst

07/2025 - Current

- Conduct quantitative and qualitative evaluations of oil and gas reserves, using engineering, geological, and economic data.
- Perform data-driven decline curve analysis and volumetric calculations to estimate hydrocarbon recoveries, and project future production.
- Develop Python scripts and Excel models to streamline reserve estimation workflows, improving reporting accuracy and efficiency.
- Collaborate with multidisciplinary teams to prepare technical reports and economic forecasts for clients, and regulatory agencies.
- Prepared reports, presentations, and correspondence.

### Ozark Interests Inc. IT Team Lead & Software Engineer

05/2022 - 07/2025

- Designed and implemented a Python-based scheduling system for over 1,000 seasonal employees, automating assignment generation via Excel.
- Managed an inventory tracking database covering company-wide tech assets including laptops, routers, and mobile devices.
- Improved operational efficiency through the development of custom automation scripts and optimized data management processes.
- Utilized ticketing systems to track progress of open issues.

## Education

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### Tarleton State University | Stephenville, TX

Master of Science in Artificial Intelligence & Machine Learning

Expected in 12/2026

- 3.5 GPA

- **Reinforced Learning – MLB RL Batter Project**, 12/11/2025, Built a MATLAB-based Reinforced Learning 'Batter' that competed against MLB level pitcher data to improve MLB batter at-bat decision making and enhance performance against top-level MLB pitchers.
- **Robot Vision – “Knight's Tour” Project**, 04/01/25, Built a MATLAB-based 3D visualization system to compute and perform the Knight's Tour algorithm using trained movement models and image datasets.
- **Deep Neural Network - Pitch Velocity Prediction**, 11/01/24, Developed a Python-based neural network trained on thousands of pitcher statistics to accurately predict pitch velocity across player profiles.

### Tarleton State University | Stephenville, TX

Bachelor of Science in Computer Science

05/2024

- Graduated cum laude
- 3.5 GPA

## Leadership Experience

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- **President:** Tarleton Inter-Fraternity Council, and Tarleton Club Ultimate Frisbee
- **Secretary:** National Society of Leadership & Success, and Tarleton IFC
- **Treasurer:** Tarleton Club Ultimate Frisbee
- **Scholarship Chair:** Tarleton IFC, and Lambda Chi Alpha Fraternity

## Languages

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### Spanish:



Limited – ability to read/write/listen better than  
ability to speak