

Peyton Campbell

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EDUCATION

University of Western Ontario <i>Bachelor of Computer Science</i> <ul style="list-style-type: none">Varsity Student Athlete, Men's BasketballBob Gage Athletic Leadership Award Recipient	London, ON September 2020 – January 2025
Fanshawe College <i>AI & Machine Learning Certificate</i>	London, ON January 2025 – August 2025

EMPLOYMENT EXPERIENCE

OES <i>Full Stack Software Developer</i> <ul style="list-style-type: none">Built modern, responsive UIs using clean MVVM architecture, improving usability, performance, and maintainability across cross-platform applications.Integrated front-end components with RESTful APIs, applying strong asynchronous programming, data handling, and component-based design principles.Developed Python automation tools for testing, data validation, and backend integration, improving workflow efficiency and reliability.Collaborated with product and engineering teams to translate requirements into prototypes and polished UI features.Improved existing interfaces through refactoring, performance tuning, and consistent, well-documented code practices.Contributed to CI/CD pipelines, testing processes, and source control workflows to support stable, high-quality releases.	London, ON August 2025 – Present
West Haven Golf & Country Club <i>Bartender/ Server</i> <ul style="list-style-type: none">Demonstrated customer service with members, leading to an increase in customer satisfactionCommunicated effectively with urgency, empathy, and integrity to clients of diverse backgrounds and agesProactively collaborated with cross-functional staff to maintain seamless service flow during fast-paced, high-pressure environments	London, ON November 2024 – Present

RELEVANT EXPERIENCE

Player Performance Prediction & Optimal Team Builder <ul style="list-style-type: none">Designed and implemented a machine learning pipeline to evaluate and optimize baseball team rosters using player attributes and performance metrics, demonstrating strong analytical and problem-solving skillsDeveloped and trained XGBoost regression models, incorporating feature engineering and hyperparameter tuning (Optuna, cross-validation) to maximize predictive accuracy and model generalizabilityAchieved $R^2=0.59$ on offense-only WAR predictions, providing actionable insights for lineup optimization and upgrade targeting in a simulated team management environment
Customer Sentiment Analyzer <ul style="list-style-type: none">Designed and deployed an NLP pipeline in Python to classify customer feedback from support tickets and reviews, demonstrating adaptability and continuous learningLeveraged scikit-learn, Hugging Face Transformers, and TensorFlow to fine-tune large language models (LLMs) for multi-channel sentiment analysisIntegrated SQL databases and cloud storage for large-scale text data management; deployed the live model using AWS Lambda for scalable, serverless inferenceAchieved 85% classification accuracy and delivered a real-time dashboard providing stakeholders with actionable insights into customer experience trends
E-Commerce Sales Forecasting Engine <ul style="list-style-type: none">Developed a machine learning model to predict product-level sales, driving inventory and logistics optimizationBuilt a Python pipeline leveraging XGBoost and scikit-learn, with SQL-based data retrieval and cloud deployment for real-time updatesTrained on historical sales data with high seasonal variance; achieved $R^2 = 0.87$ and reduced stockouts by 20%.Delivered a CI/CD-enabled reporting tool providing on-demand forecasts for sales and logistics stakeholders

SKILLS, ACTIVITIES & INTERESTS

Skills: Python, C, C++, C#, Java, JavaScript, C++, .Net Framework, ReactJS, Angular, DevOps, Azure, SQL, SOSS, CI/CD, TDD / BDD, Agile, Object-Oriented Programming (OOP), Git, Unit Testing
Languages: English, French (French Immersion)
Activities: Western Mustangs Varsity Men's Basketball, Golf