

Peyton Campbell

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EDUCATION

University of Western Ontario

Bachelor of Computer Science

London, ON

September 2020 – January 2025

- Varsity Student Athlete, Men's Basketball

- Bob Gage Athletic Leadership Award Recipient

Fanshawe College

AI & Machine Learning Certificate

London, ON

January 2025 – August 2025

EMPLOYMENT EXPERIENCE

OES

London, ON

Full Stack Software Developer

August 2025 – Present

- 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.

West Haven Golf & Country Club

London, ON

Bartender/ Server

November 2024 – Present

- Demonstrated customer service with members, leading to an increase in customer satisfaction
- Communicated effectively with urgency, empathy, and integrity to clients of diverse backgrounds and ages
- Proactively collaborated with cross-functional staff to maintain seamless service flow during fast-paced, high-pressure environments

RELEVANT EXPERIENCE

Player Performance Prediction & Optimal Team Builder

- 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 skills
- Developed and trained XGBoost regression models, incorporating feature engineering and hyperparameter tuning (Optuna, cross-validation) to maximize predictive accuracy and model generalizability
- Achieved $R^2=0.59$ on offense-only WAR predictions, providing actionable insights for lineup optimization and upgrade targeting in a simulated team management environment

Customer Sentiment Analyzer

- Designed and deployed an NLP pipeline in Python to classify customer feedback from support tickets and reviews, demonstrating adaptability and continuous learning
- Leveraged scikit-learn, Hugging Face Transformers, and TensorFlow to fine-tune large language models (LLMs) for multi-channel sentiment analysis
- Integrated SQL databases and cloud storage for large-scale text data management; deployed the live model using AWS Lambda for scalable, serverless inference
- Achieved 85% classification accuracy and delivered a real-time dashboard providing stakeholders with actionable insights into customer experience trends

E-Commerce Sales Forecasting Engine

- Developed a machine learning model to predict product-level sales, driving inventory and logistics optimization
- Built a Python pipeline leveraging XGBoost and scikit-learn, with SQL-based data retrieval and cloud deployment for real-time updates
- Trained 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