

## EDUCATION

### Western University

London, ON, 2022- 2026

*Bachelor of Science in Computer Science*

## SKILLS

- Python | SQL | Java | CSS | HTML | C | C++ | R | JavaScript | Excel | PowerPoint | Power BI | Tableau |
- Pandas | NumPy | Scikit-learn | Matplotlib | Seaborn |
- Communication | Team management | Project management | Organizational and Multitasking skills |
- English – Fluent | Arabic – Fluent | French – Beginner

## WORK EXPERIENCE

### Arabian Food Corporation, Business Development Intern

Jeddah, Saudi Arabia, May 2024 – July 2024

- Conducted in-depth market research to analyze industry trends and customer needs to support strategic decisions
- Attended meetings with the head chef and accountant of AFC, visiting restaurants and hotels to negotiate and close business agreements while gaining insights from their leadership teams.
- Collaborated in a dynamic team environment, assisting with logistical coordination and gaining hands-on experience in customer relationship management and business development.

## PROJECTS

### Personal Portfolio

- Created a dynamic personal portfolio website using CSS, HTML, and JavaScript, showcasing technical skills.
- Enhanced user experience with interactive features, creating an engaging platform for showcasing projects.
- Maintain and update the website regularly to reflect latest projects and skills.

### Interactive Tamagotchi Game

- Developed a virtual pet game in Java with a Java Swing GUI, implementing core gameplay features such as pet management, inventory system, and real-time updates of pet stats (hunger, happiness, health).
- Led the creation of requirements, design, and implementation documentation, ensuring clear project scope, well-organized architecture, and adherence to software engineering principles.
- Executed comprehensive manual and automated testing (JUnit) for unit, integration, and system testing, ensuring robust, bug-free performance and seamless user experience.
- Collaborated effectively with the team, delivering the project on time while maintaining high standards of code quality and documentation throughout the development lifecycle.

### Online Casino

- Developed a C++ casino game simulator with Blackjack and Slots, focusing on core gameplay systems like card handling, player stats, and game progression.
- Created detailed project proposals, UML diagrams, and user stories, ensuring a structured development approach.
- Oversaw task management and tracked progress using GitLab, fostering effective teamwork and timely milestones.

### Housing Price Predictor

- Built an end-to-end housing price prediction pipeline using Ridge, Lasso, and XGBoost models, incorporating data cleaning, feature engineering, and cross-validated model evaluation
- Compared linear and tree-based models using RMSE and R<sup>2</sup>, identifying key drivers of housing prices and quantifying performance trade-offs across modeling approaches.
- Applied SHAP analysis to interpret model predictions, providing transparent explanations of feature impact and improving trust and usability of results for non-technical stakeholders

## CERTIFICATIONS

### Google Data Analytics Professional Certificate

February 2026

## NOTABLE COURSEWORK

CS 1027– Computer Science Fundamentals II  
CS 2212 – Introduction to Software Engineering  
CS 2210 – Data Structures and Algorithms  
CS 2211 – Software Tools and Systems Programming  
CS 3307 – Object Oriented Design and Analysis

DS 1000 – Data Science Concepts  
DS 2000 – Introduction to Data Science  
DS 3000 – Introduction to Machine Learning  
CS 3319 – Databases I  
CS 4411 – Databases II