

Miguel Gutierrez

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SUMMARY OF QUALIFICATIONS

- Passionate Computer Programming student at George Brown College with a strong foundation and a drive to create innovative software solutions.
- Skilled in multiple programming languages, including **Python, Java, C#, php and JavaScript**, with hands-on experience in tools and **frameworks** such as **Git, Flask, Spring Boot, and ASP.NET**.
- Strong understanding of Relational Database Management Systems (RDBMS) like **MySQL** and **PostgreSQL**, as well as experience with **MongoDB** and **SQLite**.
- Experienced in collaborative team environments, contributing to projects while **actively learning** new technologies and **staying current with industry trends**.
- Proficient in developing robust applications using **OOP principles, machine learning models, and mobile app development technologies**, with experience in data science tools such as **Pandas, NumPy, scikit-learn, Matplotlib, and TensorFlow**.

TECHNICAL SKILLS

- Languages: **JavaScript,php, HTML, CSS, Python, Java, C#, PL/SQL, SQL**
- Frameworks: **Flask, React.js, React Native, Express.js, ASP.NET, Node.js, Firebase, Angular, Next, Spring Boot, Django, FastAPI**
- Tools: **Git, GitHub, Jenkins, Figma**
- Data Science Tools: **Pandas, NumPy, scikit-learn, Matplotlib, TensorFlow**
- Databases: **SQL (Oracle, MySQL, SQLite), NoSQL (MongoDB, Firebase)**

EDUCATION

- George Brown College. Diploma in Computer Programming. Toronto, ON
Expected Graduation: April 2025
- Relevant Courses: Advanced Object-Oriented Programming, Fundamentals of Data Structures, Database Management Systems, web application development, Dev ops, Machine learning, Data science

PROJECTS

- **Connect 4 AI Implementation** | Python: Developed an AI-powered Connect 4 game in Python, demonstrating expertise in **algorithm design and decision-making**.
- **Flight Manager OOP** | Java: Developed a flight management system using **object-oriented principles** with a command-line interface for functionality.
- **Rose Delivery App** | React Native, Firebase, Google Maps API, Stripe API *(In Progress)*: Developing a **mobile app** for flower delivery in Canada with features like user registration, order tracking, store management, and delivery integration, using **React Native, Firebase, Google Maps API, and Stripe API**.
- **Football Match Prediction Model** | Developed a **Random Forest model** to predict English Premier League match outcomes. **Scraped and cleaned match data using Python**, requests, **pandas**, and implemented **machine learning with scikit-learn**.

COMPETITIONS & EXTRACURRICULAR ACTIVITIES

- IEEE Xtreme Programming Competition: **Achieved 4th place at George Brown College, ranked 11th in Canada, and 1554th globally**, demonstrating **exceptional programming skills and problem-solving abilities**.
- House Prices: Advanced Regression Techniques | Kaggle: **Ranked 4227 worldwide** with an accuracy score of 0.17683, demonstrating knowledge in data science and machine learning.
- CS50: Master Class by Harvard University: **Attended a live masterclass** on November 18, 2024, exploring cutting-edge topics in computer science and gaining valuable insights into best practices.

CERTIFICATIONS

- 100 Days of Python | Dr. Angela Yu
- CS50: Introduction to Computer Science | Harvard University
- Machine Learning with Python
- HarvardX: Introduction to Data Science with Python