Marco Bertucci, P.Eng.

Licensed Engineer and Computer Programmer

Highly motivated engineer with 4+ years of project management and professional consulting experience. A problem-solver who is detail-oriented, with the ability to learn quickly. Passionate about computer programming, data science and app development. Not afraid of taking on new and challenging projects and an excellent team player.

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ACADEMIC BACKGROUND AND CERTIFICATIONS

Bachelor of Engineering (B.Eng.)
University of Guelph (2010 – 2014)

Professional Engineer (P.Eng.)
Professional Engineers Ontario (PEO)
(PEO – License No. 100212934)

E-Learning Certifications:

The Complete Web Developer in 2019: Zero to Mastery
Udemy (07/2019)

Python Programming Masterclass
Udemy (03/2019)

The Complete SQL Bootcamp
Udemy (07/2019)

AWS Fundamentals: Going Cloud-Native
Udemy (02/2019)

Complete Guide to TensorFlow for Deep Learning
Udemy (05/2019)

Computer Vision with OpenCV and Deep Learning
Udemy (04/2019)

POST-GRADUATION WORK EXPERIENCE

RiskCheck Inc. – Project Engineer
05/2015 – 03/2019 Toronto, Ontario

- Prepared scopes of work, schedules and budgets, managed junior staff and contractors, and provided updates and engineering reports to clients.

Arcadis Canada Inc. – Project Scientist
07/2014 – 04/2015 Mississauga, Ontario

SKILLS

JavaScript | Python | HTML5 | CSS3 | C++ | SQL | PowerShell | Bash | React.js | Node.js | Django | Bootstrap | git/github | Heroku | AWS

PROJECTS

- **Personal Webpage** – Please see my personal webpage (linked above) for full details of all my projects!
- **Smart Brain** – A full stack web application that detects faces from an input image URL. Users can register accounts, sign in, and the app will track how many entries each user has submitted. Utilized React, Node.js, postgreSQL and a face detection API from Clarifai. This app is currently deployed on Heroku.
- **Gradient Background Generator** – Interactive gradient background generator webpage which allows input RGB and HEX color values. The webpage will also provide RGB and HEX conversion values.
- **Machine Learning: MountainCar-v0** – Designed a neural network predicting the best course of action probabilities for the MountainCar Environment from OpenAI Gym.
- **Computer Vision: Squat Assessment** – Developed a program that provides feedback comments for an input image of a human performing a squat to improve their squatting form.
- **OOP: Flappy!** – Developed a high-score game similar to the popular game "Flappy Bird" using the Pygame library.

References Available Upon Request