Andrea Perera-Ortega
MSc Candidate, Developer, Designer

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EDUCATION

Queen's University · MSc in Computing (AI Focus)
September 2020 - Present

- cGPA: 4.3/4.3
- Courses: Data Mining, Deep Learning, Medical Imaging & Signal Processing, etc.

Queen's University · BComp (Hons) in Biomedical Computation
September 2016 - April 2020

- Dean's Honour List (2017-2020)

WORK EXPERIENCE

Med-i Lab, Queen's University · Research Assistant
April 2020 - Present

- My research focuses on using AI/ML techniques to classify prostate cancer severity in ultrasound images. Previously I worked on the detection of epileptic lesions in brain MR images. I am also the lab's website and social media manager.

Medical Device Startup* · Software Design Consultant
October 2021 - June 2022

- I led the re-design of the UI for the company's application. I also implemented and tested these designs in an Agile work environment. (*Under NDA)

School of Computing, Queen's University · Teaching Assistant
July 2020 - June 2022

- Introduction to Computing Science I (CISC 121), Fundamentals of Software Development (CISC 320), Computational Biology (CISC 471), and Undergraduate Research Project (CISC 499).

Herban Studios · Founder & CEO
July 2021 - Present

- Herban Studios is an e-commerce small business specializing in curated plant accessories and handmade botanical decor: herbanstudios.ca
- Amassed over 13K followers on TikTok in a month

Aroha · Co-Founder & CMO
June 2020 - August 2021

- Aroha helps post-secondary students in their transition to university by developing a platform that provides internship opportunities and mentorship from current students. Re-branded to Propel: joinpropel.ca. I stepped down to focus on school.

Scotiabank · Associate Product Owner (Velocity Program)
May 2019 - August 2019

- I wore many hats in the project management of an application to onboard small business clients within the Business Banking Onboarding Lab. My roles consisted of conveying stakeholder needs, writing product requirements, assisting with UI/UX design, testing features with developers, and presenting updates in weekly meetings.

inField ID · Co-Founder & CTO
June 2018 - July 2019

- inField is an AI-based agriculture tech start-up developing software to help researchers identify plant pests and invasive species on their smartphone cameras.

DEVELOPMENT

- Python
- Tensorflow, Keras, scikit-learn
- HTML/CSS, Bootstrap
- MATLAB
- C++, Qt
- 3D Slicer
- MySQL

DESIGN

- Adobe XD
- Sketch
- Photoshop
- Lightroom

LANGUAGES

- English (Native)
- Spanish (Fluent)

SKILLS

- Freelance web developer
- Quick learner
- Strong interpersonal skills
- Entrepreneurial skills
- Strong work ethic
- Public speaking

SCHOLARSHIPS & AWARDS

- **NSERC CGS-M Scholarship Recipient** (Sept 2021 - 2022)
- **Best Pitch Presentation** for my paper titled "Unsupervised Learning for Prostate Cancer Severity Classification" at the Imaging Network Ontario (ImNO) 2022 conference.
- **Best Pitch Presentation** for my paper titled "Machine Learning to Detect Brain Lesions in Focal Epilepsy" at the ImNO 2021 conference.
- **2018 Dunin-Deshpande Pitch Competition, $10K Award Winner** for inField ID

PUBLICATIONS

- See full publications list on my Google Scholar page: *tinyurl.com/andrea-pubs*