Andrew Marble Toronto, ON | andrewmarble@gmail.com | (613) 875-3304

PROFESSIONAL SUMMARY

Experienced AI and technology leader with a track record building services and software businesses. Deep technical background in computer vision, machine learning, and data science. Proven ability to provide technical leadership, develop cutting-edge products, and deliver complex projects for diverse industries.

Remote-first but willing to travel as required.

PROFESSIONAL EXPERIENCE

Head of Model Assessment | Armilla AI, Toronto, ON | Feb 2024 – Jan 2025

- Designed and led development of a AI model risk assessment platform, including developing the assessment process and platform specifications
- Led delivery of customer engagements conducting comprehensive assessments of AI models, including performance, security, and bias evaluations
- Engage in sales activities, including discovery and proposal development
- Collaborate with underwriting team to integrate assessment results into risk transfer offerings

Founder & CEO | Willows AI, Montreal, QC | Feb 2021 - Feb 2024

- Founded and led a consulting firm specializing in AI solutions for manufacturing and aerospace industries
- Met with customers to understand their issues and designed and proposed technical solutions
- Managed a team of 4 employees and additional contractors on various projects
- Developed a foundation model for manufacturing inspection using computer vision and GANs
- Implemented a RAG system for an aerospace manufacturer using local LLMs
- Published research in academic journals on advanced AI applications in manufacturing
- Gained significant international business experience working with a Japanese client

Applied AI Consultant | Element AI, Montreal, QC | Oct 2018 - Feb 2021

- Led technical teams in proposing and delivering AI consulting projects for enterprise clients
- Worked with sales to scope technical projects and lead discovery
- Specialized in uncertainty quantification and explainability in computer vision models
- Developed and implemented deep learning models using PyTorch
- Translated complex technical concepts into actionable insights for clients
- Conducted data exploration and developed machine learning models for various industries

Management Consultant | KPMG, Toronto & Ottawa, ON | 2014 - 2018

- Executed data-driven projects for government and large crown corporations
- Led a nationwide assessment of equipment maintenance practices for the Department of National Defence
- Analyzed large operational and financial datasets to identify performance improvement opportunities
- Developed strategies for optimizing resource utilization in complex organizational environments

Assistant Professor | Carleton University, Ottawa, ON | 2008 - 2014

- Taught undergraduate courses in systems and computer engineering
- Supervised graduate student research projects
- Awarded tenure in 2011

EDUCATION

MBA | Queen's University, Kingston, ON | 2013 - 2014

Ph.D., Electrical Engineering | University of New Brunswick, Fredericton, NB | 2003 - 2007

B.Sc., Electrical Engineering | University of New Brunswick, Fredericton, NB | 1999 - 2003

SKILLS AI Model Assessment, Machine Learning, Computer Vision, Product Management, Team Leadership, Client Relations, Data Science, Modern AI Tools