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

PROFESSIONAL SUMMARY

Experienced AI and technology leader with a track record building and advising services and software businesses. Deep research focused background with expertise in identifying and mitigating AI risks and evaluating AI systems. Proven ability to provide technical and strategic leadership and deliver complex projects for diverse industries.

Willing to travel as required.

PROFESSIONAL EXPERIENCE

Director, AI Risk | Armilla AI (YC Insurtech Startup), Toronto, ON | Feb 2024 – Jan 2025

- Built a process and tooling for third party assessment of AI risks, including assessment objectives, process, and platform

- Led a team to deliver customer engagements conducting comprehensive risk advisory, red teaming and performance, security, and bias evaluations of generative and predictive AI systems, including assessing compliance with relevant legislation

- Engaged in sales activities, including discovery and proposal development

- Published thought leadership to demonstrate our assessment capabilities

- Collaborated with underwriting team to integrate assessment results into risk transfer offerings

Owner / Consultant | Willows AI, Montreal, QC | Feb 2021 - Feb 2024

- Founded and led a research consulting firm specializing in AI solutions for manufacturing and aerospace industries

- Advised clients on the applicability of recent AI research to their business problems

- Project managed delivery of engagements, including internal technical project management and client management

- Authored and presented reports and presentations to business stakeholders

- Managed a team of employees and additional contractors on various projects

- Led internal research and development including developing a foundation model for manufacturing inspection, leading to a peer reviewed publication

- Implemented a RAG system for an aerospace manufacturer using local LLMs

Applied AI Research Scientist | Element AI (Acquired by ServiceNow), 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 performance evaluations and mandate reviews of government and large crown corporations

- Led the data stream of 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

- Presented findings to executive audiences

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