Andrew Marble
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Profile

I am a proven leader with deep experience in business consulting and cutting edge technology.
- I have led teams of Ph.D. researchers, computer scientists, and business consultants to deliver software, business insights and recommendations for clients.
- I worked in operations transformation consulting, including comprehensive reviews and recommendations on organization wide performance at several major government departments and crown corporations
- My deep technical background gained through a Ph.D. in Engineering has underpinned my career by allowing me to rapidly understand new technologies down to the theoretical level. I've advised on everything from nuclear equipment reliability to heavy equipment maintenance to computer vision.

Work Experience

Element AI (An AI consulting and software startup, acquired by ServiceNow in 2020)

Solutions Partner Nov 2019 – Feb 2021
- Managed the lifecycle (sales, scoping, delivery) of "Research as a Service" (RaaS) projects in advanced manufacturing (computer vision)
- RaaS projects delivered software plus research findings to apply recent developments in machine learning to client data and business problems
- Led a team of software developers, business strategists, research scientists and machine learning engineers
- Led work planning, daily stand-ups, client touchpoints and presentations
- Participated in the delivery of client work when needed, including building and evaluating machine learning models in pytorch, writing python code, analyzing and plotting findings, etc.
- Responsible for proposals, technical reports and client presentations
- Synthesized client situations into technical scopes of work, including evaluating research from recent literature. Translated findings into actional insights and recommendations for clients
- Maintained relationships with clients
- Responsible for overall quality of delivery, as well as scope / schedule / budget

Applied Research Scientist (Advisory) Oct 2018 – Nov 2019
- Client facing role responsible for early-stage identification of applications of AI technology

- Covered financial services and manufacturing
- Kept current on advances in AI technology
- Held workshops and discovery sessions with clients
- Requested and reviewed data samples, including applying Machine Learning and Data Science techniques to extract insights and validate potential approaches
- Conducted assessments and prepared and presented reports to senior stakeholders

KPMG

Manager, Advisory Services June 2014 – Oct 2018

- Focusing on operations transformation for public sector clients
- Wrote proposals in response to RFPs from government
- Scoped and planned consulting projects that included data collection, client interviews, workshops, desktop analysis and synthesis, recommendations and implementation planning
- Participated in all of the above stages across different projects
- Led data collection and analysis workstreams, including work planning and coordination of a team of consultants
- Presented findings to senior stakeholders (C-level equivalent)
- Participated in the growth of the Ottawa office, including responsible for hiring consultants / senior consultants

Carleton University

Assistant Professor July 2008 – June 2014

- Developed and taught senior undergraduate courses in image processing and medical imaging
- Applied for and was awarded NSERC Discovery grant funding for student stipends and equipment
- Led an ongoing research program studying applications of magnetic resonance imaging to non-destructive testing, including supervising graduate and undergraduate projects in this area
- Supervised projects in image processing
- Authored or co-authored ~20 articles in peer reviewed journals, mainly in experimental magnetic resonance physics (counting articles published both from my Ph.D. research and this position)
- Served as the Biomedical and Electrical Engineering program coordinator, responsible for curriculum development and maintaining accreditation of the program

Education

MBA, Queen's University 2014
Ph.D. Electrical Engineering, University of New Brunswick 2007
B.Sc. Electrical Engineering, University of New Brunswick 2003