

VINCENT QUENNEVILLE-BÉLAIR

vqb@umn.edu · umn.edu/~vqb
GitHub vincentqb · LinkedIn vincentqb

EXPERIENCE

- Machine Learning Scientist at Amazon.** New York, NY. 2017-Now
Build causal impact models to estimate advertising campaign lift. Infer future returns and optimize advertising portfolio. Teach internal machine learning specialization course on matrix factorization and dimensionality reduction.
- Chu Assistant Professor of Applied Mathematics.** Columbia University. 2015-2017
Model gravitational wave propagation to understand black hole collisions. Create and analyze novel specialized mixed finite element methods to simulate these models numerically.
- Chief Data Scientist and Cofounder at Vizanda.** New York, NY. 2016-2017
Develop web-based software to automatically extract information from structured and unstructured data on the fly. Process the information to programatically generate relevant visualizations and intelligent insights.
- Graduate Research and Teaching Assistant.** University of Minnesota. 2008-2015
Conduct research in numerical analysis to develop finite element methods for wave propagation, and implement in parallel on scientific supercomputing clusters.
- Intern at Schlumberger-Doll Research Center.** Cambridge, MA. 2011
Develop simulation software for forward elastic scattering in 3D based on frequency domain finite difference methods.
- Technologies.** Python, Scikit-Learn, SQL, Spark, Linux

EDUCATION

- PhD Applied Mathematics.** University of Minnesota.
NSERC Alexander Graham Bell Canada Graduate Scholarship
University of Minnesota Doctoral Dissertation Fellowship
- MCS Computer Science.** University of Minnesota.
- MSc Applied Mathematics.** University of Minnesota.
FQRNT Research Scholarship
- BSc Mathematics and Physics.** McGill University, Canada.
Twice Meritorious Winner in Mathematical Contest in Modeling
First Class Honors

LEADERSHIP

- Mentored over 20 teams of undergraduates for the Mathematical Contest in Modeling
Founded the SIAM Student Chapter at the University of Minnesota
Founded the McGill Undergraduate Mathematics Magazine