

VINCENT QUENNEVILLE-BÉLAIR

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EXPERIENCE

- Chu Assistant Professor of Applied Mathematics.** Columbia University. 2015-Now
Conduct research in numerical analysis, scientific computation, and finite element methods, with applications to physics and wave propagation.
- Chief Data Scientist at Vizanda.** New York, NY. 2016-2017
Develop web-based software to automatically understand generic user input data and rapidly offer relevant visualizations and intelligent insights.
- Graduate Research and Teaching Assistant.** University of Minnesota. 2008-2015
Create and analyze novel finite element methods for gravitational wave propagation, and implement in parallel on a scientific supercomputing cluster.
- Intern at Schlumberger-Doll Research Center.** Cambridge, MA. 2011
Develop Fortran software for simulating forward elastic scattering in 3D based on frequency domain finite difference methods.

Technologies: Python, Scikit-Learn, Fortran, C, Linux.

EDUCATION

- PhD Applied Mathematics.** University of Minnesota. 2015
Best Poster Design and Presentation at SIAM CSE
University of Minnesota Doctoral Dissertation Fellowship
NSERC Alexander Graham Bell Canada Graduate Scholarship
- MCS Computer Science.** University of Minnesota. 2014
- MSc Applied Mathematics.** University of Minnesota. 2011
FQRNT Research Scholarship
- BSc Mathematics and Physics.** McGill University, Canada. 2008
Twice Meritorious Winner in Mathematical Contest in Modeling
First Class Honors

LEADERSHIP

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