

# VINCENT QUENNEVILLE-BÉLAIR

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## EXPERIENCE

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- 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

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- 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

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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