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 learn from generic user input data and offer relevant visualizations and intelligent insights on the fly.

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