Vincent Quenneville-Bélair

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Experience

Applied Scientist at Amazon.   New York, NY.   2017-Now

Chu Assistant Professor of Applied Mathematics.   Columbia University.   2015-2017
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.

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

Education

PhD Applied Mathematics.   University of Minnesota.   2015
NSERC Alexander Graham Bell Canada Graduate Scholarship
University of Minnesota Doctoral Dissertation Fellowship

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 Mathematical Contest in Modeling
Founded the SIAM Student Chapter at the University of Minnesota
Founded the McGill Undergraduate Mathematics Magazine