

Biographical Sketch

James Daniel Whitfield

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Professional Preparation

- 2006 **B.S. Mathematics and Chemistry**, *Magna cum laude*, Morehouse College (Atlanta, GA)
- 2009 **A.M. Chemistry**, Harvard University (Cambridge, MA)
- 2011 **Ph.D. Chemical Physics**, Harvard University (Cambridge, MA)
Thesis: *At the Intersection of Quantum Computing and Quantum Chemistry*
Advisor: Alán Aspuru-Guzik
- 2011-2012 **Postdoctoral Fellow**, Columbia University (New York, NY)
Advisors: Boris Altshuler
- 2011-2012 **Postdoctoral Fellow**, NEC Laboratories America (Princeton, NJ)
Advisors: Jérémie Roland
- 2012-2015 **VCQ Postdoctoral Fellow**, Vienna Center for Quantum Science and Technology (Vienna, Austria)
Advisor: Frank Verstraete
- 2015-2016 **Postdoctoral Fellow**, University of Ghent (Ghent, Belgium)
Advisor: Frank Verstraete

Academic Appointments

- 06/2016 - Present **Assistant Professor of Physics**, Dartmouth College
Department of Physics and Astronomy
- 1/2012 - 2/2012 **Visiting Scholar**, Max Planck Institute for the Physics of Complex Systems
Condensed Matter Group
- 3/2012 - 5/2012 **Visiting Scientist**, Institute for Scientific Interchange
Quantum Science Laboratory

Activities

- Reviewer for various journals (Quantum Information and Computation, New Journal of Physics, Nature Communications, Physical Review A, Physical Review Letters, Quantum Science and Technology, Journal of Physics A: Mathematical and Theoretical, International Journal of Quantum Chemistry)
- Ford Fellowship Programs Review Panel (2017)
- Programme Committee for 2017 Theory of Quantum Computation, Communication, and Cryptography (2017)
- Co-organized *Novel Computing Approaches to Quantum Chemistry*, Telluride (2015)