Travis Askham
Curriculum Vitae

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Address:	University of Washington
	Lewis Hall
	Box 353925
	4182 W Stevens Way NE
	Seattle, WA 98195-3925 USA
Email:	askham@uw.edu
Website:	faculty.washington.edu/askham

Education and Qualifications

2016	Ph.D.	New York University
2010	M.A.	University of California Los Angeles
2010	B.Sc. (*summa cum laude*)	University of California Los Angeles

Current Position

2016 – **Research Associate of Applied Mathematics**, Department of Applied Mathematics, University of Washington, Advisor: J. Nathan Kutz.

Honors, Awards, & Fellowships

2015	Dean's Dissertation Fellowship, New York University
2010–2015	Henry M. MacCracken Fellowship, New York University
2010	Daus Award in Mathematics, University of California Los Angeles
2010	Departmental Honors Program, Highest Honors, University of California Los Angeles
2010	Departmental Scholar Program, University of California Los Angeles
2006–2010	Regents Scholar, University of California Los Angeles
2006–2010	Robert C. Byrd Scholarship

Academic Experience

2012–2015	**Research Assistant**, Courant Institute of Mathematical Sciences, New York University, Advisor: Leslie Greengard.
2015	**Reader**, Numerical Methods I, Courant Institute of Mathematical Sciences, New York University.
2014	**Teaching Assistant**, Analysis I, Courant Institute of Mathematical Sciences, New York University, Professor: Sivaram Ambikasaran.
2013	**Teaching Assistant**, Ordinary Differential Equations, Courant Institute of Mathematical Sciences, New York University, Professor: Matthew Elsey.
2012	**Teaching Assistant**, Ordinary Differential Equations, Courant Institute of Mathematical Sciences, New York University, Professor: Aleksandar Donev.
2009	**Undergraduate Research Assistant**, Department of Mathematics, University of California Davis, Advisors: Matthias Koeppe and Jesus De Loera.
2008	**Undergraduate Research Assistant**, Department of Mathematics, University of California Los Angeles, Advisors: Todd Wittman and Andrea Bertozzi.
2008–2009	**Reader**, Linear Algebra, Department of Mathematics, University of California Los Angeles.

Research Presentations

06/2014	Poster. *Volume Integrals in Complex Geometry: A Case Study of Poisson's Equation*, CBMS-NSF Conference: Fast-Direct Solvers for Elliptic PDEs, Dartmouth College. Hanover, NH, U.S.A.
12/2013	Poster. *On the discretization of integral equations for divergence-form PDEs with internal layers*, Integral Equations Methods: Fast Algorithms and Applications (BIRS Workshop), Banff International Research Station. Banff, Alberta, Canada.
11/2013	Talk. *On the discretization of integral equations for elliptic PDEs with internal layers*, Mid-Atlantic Numerical Analysis Day, Temple University. Philadelphia, PA, U.S.A.

Publications

[1] Travis Askham and Leslie Greengard. Norm-Preserving Discretization of Integral Equations for Elliptic PDEs with Internal Layers I: The One-Dimensional Case. *SIAM Rev.*, 56(4):625–641, 2014.

Skills

Proficient in:	Fortran77, MatLab, C99/C++, LaTeX, XHTML.
Familiar with:	OpenMP and OpenCL (in C99), Python, PHP.
Operating systems:	Linux, Windows, MacOS.
Speaks:	English (native), Spanish (2006 AP Language Exam: 5/5).