

# Darin Comeau

Citizenship: *United States*

Date of Birth: *April 13, 1980*

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## EDUCATION

- 2007 – present **PhD Student, Applied Mathematics**, *University of Arizona*, Tucson, AZ.  
Advisor: Juan Restrepo.
- 2007 – 2008 **MS, Applied Mathematics**, *University of Arizona*, Tucson, AZ.
- 2003 – 2005 **MA, Mathematics**, *University of Pennsylvania*, Philadelphia, PA.  
Advisor: Charles Epstein.  
Thesis: The Dirichlet-to-Neumann Map on 2-Dimensional Manifolds with Boundary.
- 1998 – 2002 **BA, Mathematics with Honors**, *New York University*, New York, NY.

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## RESEARCH INTERESTS

My current research interests are in stochastic hydrology, particularly in subsurface flow and transport modeling, and modeling iceberg dynamics. I am more generally interested in fluid dynamics, numerical analysis, stochastic processes, and climate modeling.

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## EXPERIENCE

### RESEARCH

- Summer 2009 **Summer Intern**, *Los Alamos National Laboratory*, T-3 Fluid Dynamics Group, Los Alamos, NM.  
- Worked on incorporating iceberg dynamics into the CICE sea ice model, focusing on iceberg-sea ice interaction.  
- Supervised by Elizabeth Hunke.
- Fall 2008 **Research Assistant**, *University of Arizona*, Department of Geosciences, Tucson, AZ.  
- Modeled and studied the formation of chains of lakes in valleys as a result of glacial erosion.  
- Supervised by Jon Pelletier.

### TEACHING

- Spring 2009 **Instructor**, *Pre-Calculus*, University of Arizona.
- 2007 - 2008 **Instructor**, *Trigonometry*, University of Arizona.  
- had primary teaching responsibilities; prepared lectures and class activities, held office hours, wrote exams, graded homework, quizzes, and exams.
- Spring 2005 **Teaching Assistant**, *Calculus IV*, University of Pennsylvania.
- Fall 2004 **Teaching Assistant**, *Calculus I*, University of Pennsylvania.  
- held weekly discussion sessions and exam review sessions, graded homework and exams.

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## PUBLICATIONS

- 2009 J.D. Pelletier, T. Engelder, **D. Comeau**, A. Hudson, M. Leclerc, A. Youberg, and S. Diniega. Tectonic and structural control of fluvial channel morphology in metamorphic core complexes: The example of the Catalina-Rincon core complex, Arizona. *Geosphere*, 5(4):363

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## FELLOWSHIPS & AWARDS

- 2009 – 2010 Water Sustainability Program Fellowship, University of Arizona.  
Fall 2004 Good Teaching Award, University of Pennsylvania.  
Spring 2002 Mathematics Award, New York University.  
Summer 2001 & Summer 2002 Undergraduate VIGRE Fellowship, New York University.

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## TALKS GIVEN

- April 2009 *Glacier Erosion and Formation of Valley Chains of Lakes*, Brown Bag Graduate Student Seminar, University of Arizona.  
February 2008 *An Introduction to the Gibbs Sampler*, Uncertainty Quantification Group Seminar, University of Arizona.

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## SERVICE

- 2009 – 2010 **Organizer**, *Brown Bag Graduate Student Seminar*, University of Arizona.  
Spring 2008 **Webmaster**, *Uncertainty Quantification Workshop*, University of Arizona.

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## COMPUTER SKILLS

Proficient in MATLAB, Fortran, C, UNIX & L<sup>A</sup>T<sub>E</sub>X.

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## PROFESSIONAL EXPERIENCE

- 2006 – 2007 **Benefits Consultant**, *Banc of America Corporate Insurance Agency*, New York, NY.

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## REFERENCES

- Juan Restrepo**, *Department of Mathematics*, University of Arizona.  
**Elizabeth Hunke**, *Fluid Dynamics Group*, Los Alamos National Laboratory.  
**Jon Pelletier**, *Department of Geosciences*, University of Arizona.