

David M. Almeida

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Education

PhD program in Spatial Information Science and Engineering

University of Maine, Orono, ME Fall 2006-Present

Sensor Science, Engineering and Informatics program

Recipient: National Science Foundation IGERT Fellowship in Sensor Science, Engineering and Informatics. Advisor: Dr. Kate Beard (<http://www.spatial.maine.edu/~beard/>)

MA Geography (GIS and Remote Sensing), Hunter College, City University of New York, NY, NY 2007

Recipient: Academic Year 2005-2006 University Research Fellowship

.Advisor: Dr. Sean Ahearn (<http://www.geo.hunter.cuny.edu/~sca/>)

BS Electrical Engineering Columbia University, NY, NY 1987

BA Math/Computer Science Wesleyan University, Middletown, CT 1987

Employment

- **University of Maine**, Orono, ME **Graduate Research Assistant**, Fall 2006-Present
- **CARSI Laboratory**, Hunter College, NY, NY **Research Engineer**, Fall 2005- Summer 2006
- **Trans Tech Solutions Inc.**, NY, NY **Chief Technology Officer**, 1994 -2006
- **TradeWeb LLC**, NY, NY **Vice President**, Member LLC, 10/97 - 5/98
- **Lehman Brothers/American Express**, NY, NY **Assistant Vice President**, 7/89 - 11/92
- **Timber Hill Inc. (now: Interactive Brokers, Inc)** NY, NY **Programmer/Analyst** 7/88-7/89

Consulting

Founded Trans Tech Solutions, Inc., a consultancy that served major domestic and international corporations with software and systems development services from 1994 to 2006. Clients and projects have included:

- **United Nations**, Office for the Coordination of Humanitarian Affairs, NY, NY 11/05-2/06
- **Credit Suisse First Boston**, NY, NY 4/01- 4/03
- **Sanwa Financial Products**, NY, NY 5/98- 3/01
- **Salomon Smith Barney**, NY, NY 10/96 – 10/97
- **Credit Suisse First Boston**, NY, NY 4/94 -10/96
- **Goldman Sachs**, NY, NY (via TAG Systems Inc.) 11/92-4/94

Publications

Almeida, D., Beard, K., **Active Map Algebra for Wireless Sensor Networks**, GIScience 2008 (GIScience.org) (extended abstract)

Ahearn, S., Almeida, D., Gahegan, M., **Field Information Geospatial-database System (FIGS) - Proof of concept and state of the art in FOSS Geospatial Technology**, Technical Report to the United Nations Office for the Coordination of Humanitarian Affairs, New York, NY, 3/15/2006

Berry, Patrick, **Storm surge threatens US economic heartlands**, "New York in Peril", *New Scientist*, 03 June 2006 (sidebar/image credit, with Prof. Frank Buonaiuto).

Teaching

- Hunter College, NY, NY Adjunct Lecturer, Spring 2006
Gtech 731 *GIS Modeling and Programming (graduate)*
- Hunter College, NY, NY Adjunct Lecturer, Fall 2006
GTech 733 *Programming for Geographic Applications (graduate)*
- Hunter College, NY, NY Adjunct Lecturer, Spring 2005
Gtech 731 *GIS Modeling and Programming (graduate)*

Research and Development Grants:

Grant projects below were supported by American Express/Lehman Brothers Internal Technology Grants during 1989-1992.

- Speaker-Independent Speech Recognition: ~\$500,000. Project Lead.
- SISR Project also included the Multi-modal Computer Input Project.
- Speaker-Dependent Speech Recognition: ~\$2,000,000. Project Lead (as of 1991).
- Handwriting Recognition: ~\$350,000. Technical Lead.

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