

# Jeremy Gottlieb



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## Professional Experience

Monterey Bay Aquarium Research Institute, Moss Landing, CA 2011-Present

### Collaborator/Intern

- Working with Autonomy group developing algorithms to allow autonomous underwater vehicles to autonomously identify ocean features of interest to oceanographers. Presented initial work at 2012 International Conference on Robotics and Automation.
- Helped write 2013 NSF Cyberphysical Systems proposal for a multi-agent planning system for event tracking and sampling.

University of California, Santa Cruz, Santa Cruz, CA 2010-Present

### Ph.D. Candidate

- Research focused on developing path planning algorithms that can take into account stochastic uncertainty in the environment.
- Collaborated with researchers at NASA Ames Research Center on rover navigation research.
- Co-wrote two NSF proposals under the National Robotics Initiative proposing novel architecture for in-home personal robots.
- Co-wrote winning proposal in 2012 Clearpath Robotics PartnerBot grant program.
- Advanced to Candidacy in December 2012.
- Mentored Carmel High School FIRST robotics team, 2010-2011.

Carthage College, Kenosha, WI 2002-2009

### Assistant Professor of Psychology and Computer Science

- Taught a variety of classes including Artificial Intelligence, Introduction to Robotics, Computer Networks, and Cognitive Psychology
- Presented original research at international conferences of the Cognitive Science Society (2005), Association for Psychological Science (1997, 2001, 2004, 2008), and the 2010 AAAI Spring Symposium.
- Won internal grant for development of Robotics course.
- Worked with IRIS mobile robot project and undergraduate research committee in the Consortium on Cognitive Science.
- Chaired and organized Social Science Summer Undergraduate Research Program from 2005-2009
- Faculty advisor to ultimate Frisbee team.
- Awarded tenure and promotion to Associate Professor in Spring 2009.

## Knowledge Areas

Robotic Navigation	Planning	Machine Learning
Artificial Intelligence	Neural Networks	

## Skills

Matlab and Simulink	ROS and Gazebo	C, C++, Java
Grant Writing	Public Speaking	Teaching
Data Analysis and Statistics	SPSS	Microsoft Office

## Education

- University of California, Santa Cruz, Ph.D., Computer Science (Robotics and Controls), 2014 (expected).
- Carnegie Mellon University, Ph.D., Psychology (Cognitive), 2003; M.S., Psychology (Cognitive), 2000.
- Carleton College, B.A., Psychology and Computer Science, 1997

## Selected Fellowships and Awards

- Winner, ParterBot Grant Award (with Gabriel Elkaim), Clearpath Robotics. <http://www.clearpathrobotics.com/partnerbot>
- National Defense Science and Engineering Fellow, 1998-2001