

Kevin J. Rose

14 Newmarket Road
Durham, NH 03824 USA
roseyxc at gmail.com
+1-585-749-9691
<http://www.cs.unh.edu/~kja24>

- Interests** Artificial intelligence, robotics, autonomous systems, planning, constraint satisfaction problems.
- Education** UNIVERSITY OF NEW HAMPSHIRE M.S. in Computer Science, 2011
GPA: 3.55
Thesis: *Sampling-based Motion Planning with Dynamic Obstacles*. Advisor: Wheeler Ruml
- UNIVERSITY OF NEW HAMPSHIRE B.S. *summa cum laude* in Computer Science, 2010
GPA: 3.71
Honors thesis: *Best-first Search for Solving Constraint Satisfaction Problems*.
- Professional Experience** UNIVERSITY OF NEW HAMPSHIRE – ARTIFICIAL INTELLIGENCE RESEARCH GROUP
Research Assistant 2010–present
Research topics include: best-first search, constraint satisfaction problems, robot motion planning, and real-time search.
- UNIVERSITY OF NEW HAMPSHIRE – MATH DEPARTMENT
WeBWorK System Administrator 2007–present
In charge of maintaining the UNH Math Department’s online homework system.
- UNIVERSITY OF NEW HAMPSHIRE - ATHLETICS DEPARTMENT
Tutor for Computer Science 2009–2011
Tutored several student athletes for various computer science courses offered at UNH.
- UNIVERSITY OF NEW HAMPSHIRE – SCIENTIFIC DATABASE GROUP
Software Engineering and Testing 2008–2009
Projects include: system testing, database metadata, and database timeseries development.
- Refereed Publications** Kevin Rose, Ethan Burns, and Wheeler Ruml, “Best-first Search for Bounded-depth Trees,” *Proceedings of the Symposium on Combinatorial Search (SoCS-11)*, 2011.
- Theses** Kevin Rose, *Sampling-based Motion Planning with Dynamic Obstacles*. M.S. thesis, University of New Hampshire, December, 2011.
- Kevin Rose, *Best-first Search for Solving Constraint Satisfaction Problems*. Undergraduate honors thesis, University of New Hampshire, May, 2010.
- Presentations** *Best-first Search for Bounded-depth Trees*, Symposium on Combinatorial Search, 2011.
- Backtracking as Best-first Search*, UNH Undergraduate Research Conference, 2010.
- Adaptive Backtracking in Best-Leaf-First Search*, UNH IROP Symposium, 2009.
- Grants** *Graduate Student Travel Grant* Summer, 2011
UNH Graduate School, \$200.
- International Research Opportunities Program Grant* Summer, 2009
UNH Hamel Center for Undergraduate Research, \$6000.

Activities	Upsilon Pi Epsilon International Computing Honor Society	2009–present
	Pi Mu Epsilon National Mathematics Honor Society	2009–present
	UNH Artificial Intelligence Research Group	2009–present
	UNH Mens Ski Team	2006–2010
Citizenship	U.S.A.	