

Ross Benjamin Messing

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Education

- Fall 2000-2004 SWARTHMORE COLLEGE: Candidate for B.A. with Computer Science and Psychology majors
- Computer Science Courses: Computer Vision, Developmental Robotics, Theory of Computation, Artificial Intelligence, Programming Language Design, Algorithms, Data Structures, Structure and Interpretation of Computer Programs, Linear Algebra, Discrete Mathematics, Principles of Computer Architecture
 - Psychology Courses: Perception, Cognitive Psychology Seminar, Cognitive Psychology, Psycholinguistics Seminar, Abnormal Psychology, Psycholinguistics, Introduction to Cognitive Science
 - GPA: 3.34 overall, 3.57 in Computer Science
 - Participant in the Honors program in Psychology and Computer Science

Research Experience

- May – Sep 2003 SWARTHMORE COLLEGE: Visual Perception Research
- Performed original research under guidance of Professor Frank Durgin
 - Used Virtual Reality and Eye-tracking systems to investigate perception
 - Work culminating in thesis investigating distance perception in virtual reality
 - Thesis research to be presented at May 2004 meeting of the Vision Sciences Society
 - Recipient of Hans Wallach Fellowship for supervised independent research
- April– May 2003 SWARTHMORE COLLEGE: Developmental Robotics Seminar Final Project
- Investigated evolution of robot controllers to perform a competitive object-manipulation task

Work Experience

- May–Aug 2002 DATAVIZ, Inc: Software Engineering Intern
- Worked on a large project with over 20 other engineers in a team-oriented Extreme Programming (XP) environment
 - Developed applications for Palm OS
- 2001–2004 SWARTHMORE COLLEGE: Dorm Computer Consultant
- Provide on-site technical support for students
 - Administer and troubleshoot public area computers and printers
- May-Aug 2001 VIRTUALSCOPICS: Intern
- Worked with small 3D medical imaging technology startup
 - Translated large C code base into object oriented, well documented C++ with co-intern
 - Created presentation graphics
- 1997-2000 THE UNIVERSITY OF ROCHESTER: Radiology Intern
- Aided in design, development, implementation, testing, packaging, documenting, advertising, and operating of a prostate cancer treatment planning system using real-time genetic algorithms to optimize brachytherapy
- June-Aug 1996 THE UNIVERSITY OF ROCHESTER: ITS Intern
- Performed long-term network planning diagnostics
 - Provided network support