

Tyson Williams

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Theoretical Computer Science
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Education

- B.S. in Computer Science, Iowa State University, Ames, 2009 (Magna Cum Laude)
- B.S. in Computer Engineering, Iowa State University, Ames, 2009 (Honors, Magna Cum Laude)

Publications

1. Jin-Yi Cai, Michael Kowalczyk, Tyson Williams. Gadgets and Anti-gadgets Leading to a Complexity Dichotomy. arXiv:1108.3383, 2011.

Undergraduate Research

1. 2009, Spring: Comprehensive Analysis of Life and Death in Go, Honors Research Project, College of Engineering, Iowa State University, Ames
2. 2008–2009: High-Performance Bioinformatics on PlayStation 3s, Senior Design, College of Engineering, Iowa State University, Ames
3. 2007–2008: Assistant Programmer, INtelligent Data Understanding System (INDUS), Computer Science Department, Iowa State University, Ames
4. 2006, Spring: Automatically Register Xboxes, Freshman Honors Research Program, Iowa State University, Ames

Teaching

1. 2010, Spring: Teaching Assistant, Quantitative Reasoning and Problem Solving, Math Department, University of Wisconsin, Madison
2. 2009, Fall: Teaching Assistant, Quantitative Reasoning and Problem Solving, Math Department, University of Wisconsin, Madison
3. 2009, Spring: Teaching Assistant, Theory of Computation, Computer Science Department, Iowa State University, Ames
4. 2008, Spring: Teaching Assistant, Introduction to Algorithms, Computer Science Department, Iowa State University, Ames
5. 2007, Spring: Teaching Assistant, Introduction to Object Orientated Programming, Computer Science Department, Iowa State University, Ames
6. 2006, Fall: Tutor, Introduction to Object Orientated Programming, Iowa State University, Ames

Industry

- 2007, Summer: Internship, Preprofessional Programmer, IBM, Rochester, MN
- 2006, Summer: Internship, Software Development Test Group, Intermecc, Cedar Rapids, IA

Leadership

- 2007–2009: Treasurer, Cyclone Go Club, Iowa State University, Ames
- 2003–2007: Local Lay Speaker, St. James United Methodist Church, Sioux City, Iowa

Honors & Awards

- 2010, Summer: Summer Department Fellowship, Computer Science Department, University of Wisconsin, Madison
- 2009, Spring: Engineering Cap Scholarship, College of Engineering, Iowa State University, Ames
- 2009, Fall: Differential Cap Scholarship, College of Engineering, Iowa State University, Ames
- 2008–2009: Garmin Ece Scholarship Fund
- 2007–2008: Lockheed-Martin Scholarship
- 2007–2008: Maria B and Bob O Evans Scholarship Fund
- 2007–2008: Mobley and Weinstein Scholarship
- 2006–2007: Watson S. Scholarship
- 2005–2009: Dean's List, College of Engineering, Iowa State University, Ames
- 2005–2009: Dean's List, College of Liberal Arts and Sciences, Iowa State University, Ames
- 2005–2009: Presidents Award For Competitive Excellence Scholarship, Iowa State University, Ames
- 2005–2007: General Engineering Scholarship, College of Engineering, Iowa State University, Ames