

# Marc de Kruijf

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## Education

- **Ph.D. Computer Science**, expected May 2012  
*Computer Sciences Department, University of Wisconsin, Madison, WI, USA*
- **M.S. Computer Science**, expected December 2008  
*Computer Sciences Department, University of Wisconsin, Madison, WI, USA*
- **B.A. Computer Science**, *magna cum laude*, May 2004  
*Macalester College, St. Paul, MN, USA*

## Employment

- September 2006 – present, **Research Assistant**  
*Computer Sciences Department, University of Wisconsin, Madison, WI, USA*
- September 2006 – December 2007, **Teaching Assistant**  
*Computer Sciences Department, University of Wisconsin, Madison, WI, USA*
- June 2004 – June 2006, **Product Developer**  
*Objective Interface Systems, Inc. (OIS), Herndon, VA*

## Honors and Awards

- 2<sup>nd</sup> place award in the **IBM Cell University Challenge 2007**, competing in Region 1 (Americas)
- Wisconsin Computer Science Departmental Summer Fellowship, 2007
- Phi Beta Kappa, National Honor Society, 2004
- William H. and Helen Hoye Mahle Scholarship, 2002

## Teaching Experience

- Fall 2007, **Teaching Assistant for Advanced Computer Architecture I**  
*Graded and prepared solutions for assignments.*
- Spring 2007, **Teaching Assistant for Introduction to Computer Engineering**  
*Graded and prepared solutions for assignments and exams; taught a handful of discussion sections and tutorials.*
- Fall 2006, **Teaching Assistant for Discrete Mathematics**  
*Graded and prepared solutions for assignments and exams; taught two weekly discussion sections.*
- Fall 2001 – Spring 2002, **Teaching Assistant for Calculus II and Discrete Mathematics**  
*Prepared help sessions and graded assignments.*

## **Research Interests:**

- Co-design of emerging applications with emerging unreliable architectures.
- Scalable programming models and language runtimes for multi-core architectures.

## **Invited Presentations**

### *MapReduce for the Cell B. E. Architecture*

- Computer Science Departmental Summer Research Colloquium – Madison, WI – October 2007
- Wisconsin Computer Architecture Industrial Affiliates Meeting – Madison, WI – October 2007
- 2007 Power Architecture Developer Conference – Austin, TX – September 2007

## **Publications**

M. de Kruijf and K. Sankaralingam. MapReduce for the Cell B.E. Architecture. University of Wisconsin Computer Sciences Technical Report CS-TR-2007-1625, October 2007

## **Professional Activities and Service**

- Reviewer for ISPASS 2008
- Student member ACM (SIGSCE)
- Upsilon Pi Epsilon, National Honor Society for Computer Science
- Pi Mu Epsilon, National Honor Society for Mathematics

## **Personal Information**

- U.S. Immigration Status: Permanent Resident
- Born November 26, 1981, in Goes, the Netherlands