

# Dr. Terrence R Mason

Professor, University of Wisconsin-Stout  
Program Director, University of Wisconsin-Stout  
Mathematics, Statistics & Computer Science Department  
College of Science, Technology, Engineering, Mathematics and  
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**Teaching Interests:** Database Systems, Android, Data Structures, Web and Internet Programming, and Software Engineering

**Research Interests:** Android Applications and Database Query Languages

**Professional Interests:** Android Application Development

## Education

- **Ph D Computer Science**  
University of Iowa  
Iowa City, IA, 2006
- **MS Computer Science**  
University of Iowa  
Iowa City, IA, 2005
- **BA Computer Science**  
University of Iowa  
Iowa City, IA, 2001
- **BS Chemical Engineering**  
Iowa State University  
Ames, IA, 1989

## Licensures and Certifications

- Certificate in Programming Mobile Applications for Android Handheld Systems: Coursera

## Work Experience

### Academic - Post-Secondary

- **University of Wisconsin-Stout**, Mathematics, Statistics and Computer Science Department  
Professor  
July 2016 -
- **University of Wisconsin-Stout**, B.S Applied Mathematics and Computer Science  
Program Director  
July 2016 -
- **University of Wisconsin-Stout**, Department of Mathematics, Statistics and Computer Science  
Associate Professor  
July 2006 - June 2016
- **University of Iowa**  
Teaching Assistant  
Present

- **University of Iowa**  
Research Assistant  
Present

## Industry

- **Nalco/Calgon Corporation**  
Consulting Engineer  
Present
- **BASF Corporation**  
Technical Sales Representative  
Present
- **BASF Corporation**  
Assistant Product Manager  
Present
- **BASF Corporation**  
Professional Development Program Engineer  
Present
- **IBM Corporation**  
Internship - Semiconductor Plant  
Present

## Intellectual Contributions

### Conference Proceeding

- Mason, T. R. (2011). Trends in Computer Science Laboratories. , Midwest Instruction and Computing Symposium (MICS).
- Mason, T. R. (2007). Schema-Free SQL- Providing Freedom from The Schema Knowledge Required to Formulate SQL Queries. , 132, VDM Verlag Dr. Mueller.

### Journal Article

- Mason, T. R. (2008). Virtualization VMWare. *Journal of Student Research, VII*, 30-40, University of Wisconsin-Stout.

### Creative Production

- Mason, T. R. (2008). Discovering Inheritance through a popular video game in CS1 (Creative Production). *Lesson Study Project Gallery*.

## Presentations

### Poster

- Christie, D., Mason, T. R., & Johnston, B. (July 11, 2008). Adding excitement to computer science education. Games, Learning & Society Conference, Madison, WI, United States.
- Christie, D., Mason, T. R., Johnston, B., & Teleb, R. (March 14, 2008). Discovering Inheritance through a Popular Video Game in CS1. SIGCSE 2008: The 39th ACM Technical Symposium on Computer Science Education, Portland, OR, United States.

## Grants, Contracts, and Sponsored Research

### Grant

- Mason, T. R. Faculty Research Initiative Program, Seed Money. \$7000 (Funded).
- Mason, T. R. Research Incubator Grant. \$9000 (Funded).
- Christie, D., Bae, W. D., Karmaker, A., & Mason, T. R. Professional Development in Computer Science Education. Sponsored by UW-Stout Professional Development Grant, \$3300.

- Mason, T. R. Portals of Discovery. Sponsored by Discovery Center, \$3085 (Funded).
- Mason, T. R. Professional Development Grant. \$3300 (Funded).
- Christie, D., Mason, T. R., Johnston, B., & Teleb, R. CS1 Lesson Study on Object Inheritance in Java. Sponsored by UW-Stout Nakatani Teaching and Learning Center, \$1500.

## Awards, Fellowships, Honors, and Scholarships

### Honor

- Outstanding Research Presentation, UW-Stout (April 30, 2008)
- Computer Science Outstanding Teaching Assistant, (September 2002)

### Fellowship

- Computer Science Academic Fellowship, University of Iowa, Computer Science (September 2003)

## Professional Memberships

- ACM - Special Interest Group Computer Science Education (SIGCSE) (ACM - SIGCSE)
- Association for Computing Machinery (ACM)
- Midwest Instruction and Computing Symposium (MICS)

## Service

### Department / School

- **Committee Member**, Computer Science Hiring Committee (September 2014 - March 2015)
- **Committee Member**, Level 1 Promotion Committee Associate Professor (September 2012 - December 2014)
- **Committee Chair**, Computer Science for Game Design and Development Hiring Committee (September 2012 - March 2013)
- **Faculty Advisor**, Computer Science Minor (September 2008 - May 2012)

### University

#### *UW Stout*

- **Program Coordinator**, Applied Mathematics and Computer Science Program Board (June 2014 - Present)
- **Advisory Board Member**, Computer Engineering Program Advisory Committee (September 2009 - Present)
- **Advisory Board Member**, Game Design and Development Program (September 2009 - Present)
- **Representative**, Campus Information Technology Advisory Council (September 2007 - May 2011)
- **Representative**, Applied Math and Computer Science Program Advisory Committee (September 2006 - May 2011)
- **Coordinator**, IBM Sponsored ACM Programming Contest (February 2010 - December 2010)
- **Team Coach**, IBM Sponsored ACM Programming Contest (February 2010 - December 2010)
- **Judge**, IBM Sponsored ACM Programming Contest (February 2010 - December 2010)

**Committee Member**, Curriculum and Instruction Committee (September 2008 - May 2010)