Jaelle Scheuerman

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EDUCATION

Ph.D. in Computer Science   August 2015 - May 2019 (expected)
Tulane University

M.S. in Human Computer Interaction   January 2012 - December 2014
Iowa State University

B.S. in Computer Science   August 2007 - May 2010
South Dakota School of Mines & Technology

A.S. in Computer Science   August 2002 - May 2004
Casper College

RESEARCH EXPERIENCE

Computer Science Trainee   September 2016 - present
Naval Research Lab, Adviser: Noelle Brown

· Research topic: Design and implementation of a computational model of decision making under uncertainty.

Research Assistant   August 2015 - present
Department of Computer Science, Tulane University, Adviser: K. Brent Venable

· Research topic: Design and implementation of a computational model of spatial auditory attention.

Collaborative Research Experience for Undergraduates   August 2009 - May 2010
CRA-W, Adviser: Antonette Logar

· Developed a framework to assist K-12 teachers in designing interactive multitouch exhibits.

Undergraduate Research Assistant   November 2008 - May 2010
South Dakota School of Mines & Technology, Adviser: Antonette Logar

· Developed a graphical user interface standard to improve a web application and evaluated its usability.

TEACHING EXPERIENCE

Teaching Assistant   August 2015 - May 2017
Department of Computer Science, Tulane University

· CMPS 1500: Intro to Computer Science I, Fall 2015

· CMPS 1600: Intro to Computer Science II, Spring 2016-2017

· CMPS 2200: Intro to Algorithms, Fall 2015

· CMPS 3300: Software Studio, Fall 2016

Co-Instructor   August 2014 - December 2015
Tulane University

· TIDE1022: Computational Thinking for Work & Play, Fall 2014, Fall 2015

PROFESSIONAL EXPERIENCE

Manager - Technology Initiatives
July 2010 - August 2015
Newcomb College Institute, Tulane University

· Provided strategic leadership for the Collat Media Lab and collaborated with faculty and staff in the development of digital media projects.

· Mentored and trained undergraduate students in the Collat Media Internship Program.

Web Developer
November 2005 - October 2008
Linn Productions

· Developed custom websites and graphics and trained customers in website maintenance.

Internet Specialist
May 2003 - August 2005
Site4Sure.com

· Designed original logos, graphics and websites and managed search engine marketing campaigns.

Instructional Design Technical Assistant
August 2002 - May 2004
Casper College

· Created multimedia classroom materials, tutorials for using WebCT, and updated department website.

PUBLICATIONS

Paper Presentations

Modeling bias reduction strategies in a biased agent, International Joint Conference for Artificial Intelligence 2017, Melbourne, Australia, August 19-25, 2017.

Modeling spatial auditory attention: handling equiprobable attended locations, Cognition and Artificial Intelligence for Human-Centered Design Workshop at IJCAI 2017, Melbourne, Australia, August 19, 2017.

Machine Learning: An Attempt to Predict Academic Attrition in Naval Air Traffic Control Training, Department of Defense Human Factors Engineering Technical Advisory Group Meeting 71, Atlantic City, NJ, May 22-25, 2017

Modelling auditory spatial attention with soft constraints, 4th International Workshop on Artificial Intelligence and Cognition, New York City, New York, July 17-18, 2016.

A Framework for Developing Multitouch Applications, Paper at Midwestern Instruction & Computing Symposium 2010, University of Wisconsin-Eau Claire, Eau Claire, WI, April 16-17, 2010.

A General Purpose Online Survey Generation Tool, Presentation at Midwest Instruction & Computing Symposium, South Dakota School of Mines & Technology, Rapid City, SD, April 17-18 2009.

Posters

Computational modeling of auditory spatial attention, Poster presentation at CogSci 2017, London, England, July 26-29, 2017.

Modeling auditory spatial attention with an AI constraint-based approach, Poster presentation at Cognitive Neuroscience Society Annual Meeting 2016, New York City, New York, April 2-5, 2016.

AdventureCode: Computational Thinking Through Games, Poster presentation at EdMedia 2015, Montreal, Quebec, Canada, June 22-24, 2015.

A Framework for Developing Multitouch Applications to Enhance K-12 Education, Poster presentation at Grace Hopper Celebration of Women in Computing 2010, Atlanta, GA, September 28-October 2, 2010.

COMMUNITY ENGAGEMENT

Industry Liaison, Tulane Women in Science & Engineering, January 2017 - present.

Vice President, New Orleans Women in Technology, September 2013 - present.

Graduate Community-Engaged Fellowship, Tulane University, February 2016 - November 2016.

Adviser, Tulane Women in Technology, January 2013 - August 2016.

Mentor, MAGIC Mentors, July 2012 - May 2016, .

Organization Coordinator, GHC14 Open Source Day Committee, May 2014 - October 2014.

Teaching Assistant, Socket To Me Computer Camp for Girls, Summer 2009.

HONORS & AWARDS

2017, GHC Scholar, Anita Borg Institute

2017, Doctoral Consortium, International Joint Conference for Artificial Intelligence

2016, 2017 CRA-W Grad Cohort, CRA-W.

2014 Student Organization Adviser of the Year, Crest Awards, Tulane University.

2013 Josephine Louise Newcomb Award, Under the Oaks, Newcomb College Institute.

2012 CASE District III Awards Program, Special Merit Award, World Wide Web & Electronic Communication Division.

2010 Imagine Cup US Finals, 3rd place, Software Design Competition.