

# Jaelle Scheuerman

905 Poplar St., Metairie, LA 70001  
1-605-939-0110

## EDUCATION

---

### Ph.D. in Computer Science

*Tulane University*

August 2015 - May 2020 (expected)

### M.S. in Human Computer Interaction

*Iowa State University*

January 2012 - December 2014

### B.S. in Computer Science

*South Dakota School of Mines & Technology*

August 2007 - May 2010

## RESEARCH EXPERIENCE

---

### Research Assistant

*DON Pathways Program, Naval Research Lab, P.I.: Bruce Lin*

September 2016 - present

- Developing computational model of biased decision making in ACT-R.

### Research Assistant

*Department of Computer Science, Tulane University, Adviser: K. Brent Venable*

August 2015 - present

- Developing computational model of spatial auditory attention.

## PUBLICATIONS & PRESENTATIONS

---

### Papers

*Modeling Spatial Auditory Attention: Handling Equiprobable Attended Locations*, Cognition and AI for Human Centred Design, Melbourne, Australia, August 2017.

*Modeling Bias Reduction Strategies in a Biased Agent*, International Joint Conference on Artificial Intelligence, Melbourne, Australia, August 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*, Midwestern Instruction & Computing Symposium 2010, University of Wisconsin-Eau Claire, Eau Claire, WI, April 16-17, 2010.

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

### Posters

*Computational Model of Spatial Auditory Attention in ACT-R*, CogSci 2018, Madison, WI, July 2018.

*Modeling Decision Making in a Biased Matchmaker Task*, International Conference on Cognitive Modeling, Madison, WI, July 2018.

*Modeling auditory spatial attention with an AI constraint-based approach*, Cognitive Neuroscience Society 2016, New York City, New York, April 2-5, 2016.

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

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

## **Presentations and Invited Talks**

*Computational Models of Attention and Decision Making*, Presentation at the ACT-R Summer School, Carnegie Mellon University, Pittsburgh, PA, July 2018.

*Machine Learning: An Attempt to Predict Academic Attrition in Naval Air Traffic Control Training*, DoD Human Factors Engineering Technical Advisory Group Meeting, May 2017.

*Web Development in Prolog*, Presentation to New Orleans Functional Programming group, New Orleans, LA, August 4, 2015.

## **TEACHING EXPERIENCE**

---

### **Instructor**

*Tulane University*

- Intro to Computer Science I, Fall 2018

### **Teaching Assistant**

*Tulane University*

- Intro to Computer Science I, Fall 2015
- Intro to Computer Science II, Spring 2016, Spring 2017
- Intro to Algorithms, Fall 2015
- Software Studio, Fall 2016

### **Co-Instructor**

*Tulane University*

- Computational Thinking for Work & Play, Fall 2014, Fall 2015

## **SERVICE & COMMUNITY ENGAGEMENT**

---

Career Development Officer, Tulane Women<sup>+</sup> in Science & Engineering, January 2017 - present.

Mentor, More Active Girls in Computing, July 2012 - present.

Volunteer, AAAI 2019

Student Representative, Tulane Graduate Council, 2017 - 2018.

Vice President, New Orleans Women in Technology, September 2013 - September 2017.

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

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

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

## **HONORS & AWARDS**

---

2017 Doctoral Consortium, IJCAI 2017.

2017 GHC Scholar, Anita Borg Institute.

2017 CRA-W Grad Cohort, CRA-W.

2016 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 Special Merit Award, CASE District III Awards Program.

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