

Sebastian S. Rodriguez

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Curriculum Vitae

sebas.me

EDUCATION

- 08/2016 – **University of Illinois at Urbana-Champaign, Champaign, IL**
Present College of Engineering
Doctor of Philosophy in Computer Science
Advisor: Alex Kirlik, PhD
- 09/2012 – **Northwestern University, Evanston, IL**
06/2016 Robert R. McCormick School of Engineering and Applied Sciences
Bachelor of Science in Computer Engineering

PROFESSIONAL EXPERIENCE

- 08/2018 – **U.S. Army Research Laboratory, Aberdeen, MD**
Present Visiting Researcher in the Computational and Information Sciences directorate with Derrik Asher and Erin Zaroukian
Investigating the effects of complacency in heterogeneous teams consisting of humans and autonomous agents [C-3, 4, 5]
- 05/2018 – **U.S. Army Research Laboratory, Playa Vista, CA**
08/2018 Research Intern in the Computational and Information Sciences directorate with James Schaffer
Investigated the effects of complacency in knowledge and judgment for game-based and recommendation systems [C-2]
- 08/2016 – **Beckman Institute for Advanced Science and Technology, Urbana, IL**
05/2018 Graduate Research Assistant with Alex Kirlik
Developed an API for external devices communicating with a robotic framework which employs aerial drones to coordinate and help the elderly retain independence in their homes

PEER-REVIEWED CONFERENCE AND JOURNAL PAPERS

- C-5 **Rodriguez S.**, Chen J., Deep H., Lee J., Zaroukian E., Asher E., and Kirlik, A. (accepted abstract).
Measuring Complacency in Humans Interacting with Autonomous Agents in a Multi-Agent System.
SPIE Defense + Commercial Sensing Proceedings.
- C-4 Asher E., Garber-Barron M., **Rodriguez S.**, Zaroukian E., and Waytowich N. (accepted paper).
Multi-Agent Coordination Profiles Through State Space Perturbations.
CSCI-ISAI INTERNATIONAL Conference Proceedings.
- C-3 Zaroukian E., **Rodriguez S.**, Barton S., Schaffer J., Perelman B., Waytowich N., Hoffman B., and Asher D. (2019).

Algorithmically Identifying Strategies in Multi-Agent Game-Theoretic Environments.
SPIE Defense + Commercial Sensing Proceedings.

- C-2 **Rodriguez S.**, Schaffer J., O'Donovan J., and Höllerer T. (2019).
Knowledge Complacency and Decision Support Systems.
CogSIMA Proceedings. **Best Paper Award.**

- C-1 Brady C., Weintrop D., Anton G., Orton K., **Rodriguez S.**, and Wilensky U. (2016).
All Roads Lead to Computing: Making, Participatory Simulations, and Social Computing as Pathways to Computer Science.
IEEE Transactions on Education.

TEACHING EXPERIENCE

- Spring 2020 **CS 225: Data Structures**
Department of Computer Science, University of Illinois at Urbana-Champaign
- Fall 2018 **CS 498: Experimental Methods of Human Computer Interaction**
Department of Computer Science, University of Illinois at Urbana-Champaign
- Spring 2016 **EECS 395: Tangible Interaction Design and Learning**
Department of Electrical Engineering and Computer Science, Northwestern University
- Winter 2016 **EECS 330: Human Computer Interaction**
Department of Electrical Engineering and Computer Science, Northwestern University
- Fall 2015 **EECS 111: Fundamentals of Computer Programming I**
Department of Electrical Engineering and Computer Science, Northwestern University
- Spring 2015 **EECS 214: Data Structures and Data Management**
Department of Electrical Engineering and Computer Science, Northwestern University

MENTORING

- 2019 – Present **Jacqueline Chen**
B.S. student in Computer Science
- 2019 – Present **Harsh Deep**
B.S. student in Computer Science
- 2019 – Present **Jaewook Lee**
B.S. student in Computer Science

FUNDING

- 2020 **U.S. Army Research Laboratory Journeyman Fellowship, \$30K**
- 2016 **UIUC Graduate College Distinguished Fellowship, \$25K**
- 2016 **Illinois Sloan Scholar, \$10K**

SERVICE

- 2019 – Present **Reviewer**
Conferences: CHI PLAY '20
Journals: Human Factors, Production and Operations Management
- 2016 – 2018 **Computer Science Graduate Ambassador**

AWARDS AND HONORS

- 2020 **U.S. Army Research Laboratory Journeyman Fellowship**
Prestigious fellowship to complete dissertation research in collaboration with ARL
- 2019 **CogSIMA 2019 Best Paper Award**
Knowledge Complacency and Decision Support Systems [C-2]
- 2016 **Graduate College Distinguished Fellowship**
University award to support graduate studies with 2 years of funding
- 2016 **Illinois Sloan Scholar, Alfred P. Sloan Foundation's Minority Ph.D. Program**
Merit-based award for incoming minority Ph.D. students

Last updated: January 27, 2020