Sebastian S. Rodriguez

Curriculum Vitae

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EDUCATION

08/2016 – Present **University of Illinois at Urbana-Champaign, Champaign, IL**
College of Engineering
Doctor of Philosophy in Computer Science
Advisor: Alex Kirlik, PhD

09/2012 – 06/2016 **Northwestern University, Evanston, IL**
Robert R. McCormick School of Engineering and Applied Sciences
Bachelor of Science in Computer Engineering

PROFESSIONAL EXPERIENCE

08/2018 – Present **U.S. Army Research Laboratory, Aberdeen, MD**
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 – 08/2018 **U.S. Army Research Laboratory, Playa Vista, CA**
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 – 05/2018 **Beckman Institute for Advanced Science and Technology, Urbana, IL**
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 Peturbations.
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

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