Stephen Eick

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Education

GEORGIA INSTITUTE OF TECHNOLOGY

Aug. 2018 -
Ph.D., Computer Science | Graduate Certificate in Public Policy
Area of Focus: Robotics & Privacy
Advisor: Dr. Ana Antón

May 2018
Master of Science, Computer Science
Specialization: Computational Perception & Robotics

UNIVERSITY OF WISCONSIN-MADISON

May 2016
Bachelor of Science, Computer Engineering | Bachelor of Science, Computer Science

Experience

GEORGIA INSTITUTE OF TECHNOLOGY   **College of Computing**

Jan. 2018 -
Graduate Research Assistant   Atlanta, GA

Fall 2018
Head Graduate Teaching Assistant
Course: CS/PUBP/MGT 4726/6726 - Privacy Technology, Policy, and Law

Spring 2018
Graduate Teaching Assistant
Course: ID 2510 – Introduction to Smart Product Design

IBM   **FICON (Mainframes)**

2018
Software Engineer Intern   Poughkeepsie, NY

IROBOT   **Technology Organization (R&D)**

2018
Robot Engineering Intern   Bedford, MA

EXTREME ENGINEERING SOLUTIONS   **Hardware Design Verification**

2014
Associate Embedded Engineer   Middleton, WI

Additional prior experience available upon request.

Publications

Refereed Conference Proceedings
2018   D. Ta, N. Banerjee, S. Eick, S. Lenser and M. E. Munich. "Fast Nonlinear Approximation of Pose Graph Node Marginalization." Inter. Conf. on Robotics and Automation (ICRA).

Refereed Workshop Proceedings
2018   Yaling Liu, Stephen Eick, and Wei Wang. "Design for Wearable Interactivity." International Design Conference (IDC18) Education Papers Session.

Awards

President's Fellowship, Georgia Institute of Technology (2018-)
Verizon Fellowship, Georgia Institute of Technology (2017)
"Roomba Pull" Winner, iRobot (2017)
Dean's List, University of Wisconsin-Madison (2016)
Best Staff Writer, Wisconsin Engineer Magazine (2015)

Service & Leadership

GEORGIA INSTITUTE OF TECHNOLOGY
Member, Super Bowl LIII Halftime Show (2019)
Member, Georgia Tech Chamber Choir (2018-)

UNIVERSITY OF WISCONSIN-MADISON
President, Wisconsin Robotics (2014-2016)
Electrical Lead, Badger Robotic Mining Team (2015-2016)
Staff Writer, Wisconsin Engineer Magazine (2015-2016)
Embedded Lead, Wisconsin Robotics (2013-2014)

Additional prior service available upon request.

Relevant Projects

Ongoing **GEORGIA INSTITUTE OF TECHNOLOGY**
Characterizing Privacy in the Field of Robotics
Project Advisor: Dr. Ana Antón

Gait Optimization Using Spectral Analysis and Factor Graphs
Project Advisor: Dr. Frank Dellaert

Completed **IBM**
End-to-End Machine Learning Pipeline for Dynamic Defect Analysis
Outcome: Employees and management expressed excitement over its potential.

IROBOT
Design and Development of New Imaging Infrastructure Feature
Outcome: Feature is shipping on brand-new Roomba i7.

Independent Design and Development of Robot Management Tools
Outcome: Reduced robot software update time by 75%.

UNIVERSITY OF WISCONSIN-MADISON
Building Robotic Platforms for International Collegiate Competitions and Community Outreach
Outcome: Assisted development of seven different robots, roles spanned laborer to team leader.

Additional prior projects available upon request.

Relevant Coursework

GEORGIA INSTITUTE OF TECHNOLOGY
2018 *Mobile Manipulation*, Dr. Frank Dellaert
Statistical Techniques in Robotics, Dr. Byron Boots
2017 *Artificial Intelligence*, Dr. Thad Starner
Computer Vision, Dr. James Hays
2016 *Human-Robot Interaction*, Dr. Sonia Chernova
Computer Animation, Dr. Karen Liu

UNIVERSITY OF WISCONSIN-MADISON
2015 *Image Processing*, Dr. Rebecca Willett

Additional prior coursework available upon request.

References

Available upon request.