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ject Detection". BMVC.

2017

EDUCATION

May 2019 Northwestern University. PhD in Computer Science. Research Areas: Machine Learning, Robotics, Control, Perception. May 2011 Washington University in St. Louis. MS in Computer Science. Research Areas: Machine Learning, Robotics, Reinforcement Learning. May 2009 Washington University in St. Louis. BA in Mathematics & Philosophy, Neuroscience and Psychology (PNP) EXPERIENCE 2019—Present Boston Dynamics. Researcher exploring machine learning in robotics. 2014-2019 Northwestern University. Graduate student in robotics and machine learning. 2017 Mitsubishi Electric Research Laboratories. Research intern in machine learning. 2011 - 2014MIT Lincoln Laboratory. Associate Technical Staff exploring machine learning research. SELECTED PUBLICATIONS 2019 Broad, A. "Generalizable Data-Driven Models for Personalized Shared Control of Human-Machine Systems". PhD Thesis. Northwestern University. Broad, A., Murphey, T., Argall, B. "Highly Parallelized Data-driven MPC for Minimal Intervention Shared Control". RSS. Broad, A., Murphey, T., Argall, B. "Operation and Imitation under Safety-Aware Shared 2018 Control". WAFR.

Broad, A., Abraham, I., Murhpey, T., Argall, B. "Structured Neural Network Dynamics for Model-based Control". RSS workshop on Learning and Inference in Robotics.

Broad, A., Lee, T-Y., Jones, M. "Recurrent Multi-frame Single Shot Detector for Video Ob-

Broad, A., Murhpey, T., Argall, B. "Learning Models for Shared Control of Human-Machine Systems with Unknown Dynamics". RSS.

Broad, A., Arkin, J., Ratliff, N., Howard, T., Argall, B. "Real-Time Natural Language Corrections for Assistive Robotic Manipulators". IJRR.