EDUCATION	
Harvard University PhD student in Computer Science Advisor: Prof. Radhika Nagpal	2016 –
Imperial College London Master of Research in Bioengineering, with Distinction Advisors: Prof. Etienne Burdet, Dr. Ildar Farkhatdinov Thesis: Assisting Balance Recovery with a Lower Limb Exoskeleton	2016
Northeastern University BS in Behavioral Neuroscience, Minor in Computer Science GPA: 3.98 / 4.0, summa cum laude Honors Thesis: Asymmetric Learning in an Asymmetric Bimanual Task	2015
RESEARCH	
Harvard Self-organizing Systems Research Group Prof. Radhika Nagpal Perception and decision-making in heterogeneous robot collectives	2016 –
Imperial College Human Robotics Group Prof. Etienne Burdet, Dr. Ildar Farkhatdinov Co-control of balance recovery in a lower limb exoskeleton	2015 – 2016
Northeastern University Action Lab Prof. Dagmar Sternad Prediction and stability in control of objects with complex dynamics Learning and long-term retention of an asymmetric bimanual task Effects of central fatigue on cognitive and motor performance	2014 - 2015 2012 - 2015 2011 - 2012
Northeastern University Marine Science Center Prof. Joseph Ayers Neuro-inspired rheotaxis and antenna design in a robotic lobster	May - August 2015
Max Planck Institute for Intelligent Systems Prof. Stefan Schaal Learning and exploration in a novel dimensionality-reduction task	July – December 2013
AWARDS Hertz Fellowship Finalist National Science Foundation Graduate Research Fellowship Program (NSF GRFP) Honorable Mentic Northeastern University Honors Program Distinction Northeastern Honors in the Behavioral Neuroscience Northeastern Alex Skavenski Award for Behavioral Neuroscience Northeastern Sears B. Condit Award for academic achievement Northeastern Dean's List (6 semesters) Rhodes, Fulbright, and Mitchell Scholarship Finalist	2016 2015 2015 2015 2015 2010 – 2015 2015
GRANTS AND SCHOLARSHIPS Department of Energy Computational Science Graduate Fellowship (DOE CSGF) Marshall Scholarship Northeastern Provost Undergraduate Advanced Research Award Goldwater Scholarship Northeastern Provost Undergraduate Research Award DAAD Undergraduate Scholarship Northeastern Presidential Global Scholarship Northeastern National Merit Scholarship	2016 2015 2014 2013 2013 2013 2013 2010

PUBLICATIONS

[Submitted] I. Farkhatdinov, J. Ebert, G. van Oort, E. van Asseldonk, and E. Burdet "Experiments on Human Balancing Co-Control in Standing, "Robotics and Autonomous Systems, 2017.

[In preparation] S. Park, J. Ebert, D. Sternad. "Asymmetric Learning in an Asymmetric Bimanual Task."

CONFERENCES PRESENTATIONS AND ABSTRACTS

J. Ebert, C. Teeple, E. Steinhardt, and S. Ramanathan, "Infotaxis in a Multi-agent Sensor Network." Poster at: DOE CSGF Program Review; 24-27 July 2017; Washington, DC.

- I. Farkhatdinov, J. Ebert, G. van Oort, E. van Asseldonk, and E. Burdet, "Human Balance Augmentation with Lower Limb Exoskeleton. Robot." Extended abstract and poster at: RehabWeek 2017 workshop: Towards a next generation of wearable robotic devices for human-oriented assistance and therapy; 17 July 2017; London, UK.
- J. Ebert, I. Farkhatdinov, G. van Oort, E. van Asseldonk, and E. Burdet, "Preliminary Study on Assisting Balance Recovery with Lower Limb Exoskeleton." Work in progress paper and poster at: EuroHaptics 2016; 4-7 July 2016; London, UK.
- D. Sternad, A. Mukovskiy, J. Ebert, and T. Dijkstra, "Dynamic Stability in the Control of Complex Objects." Poster at: Biomechanics and Neural Control of Movement 2016; 12-17 June 2016; Mt. Sterling, OH.
- J. Ebert, S. Park, and D. Sternad, "Asymmetric Learning in an Asymmetric Bimanual Task." Poster at: Society for the Neural Control of Movement 25th Annual Meeting; 20-24 April 2015; Charleston, SC.
- J. Ebert, A. Mukovskiy, T. Dijkstra, and D. Sternad, "Why You Don't Spill Your Coffee." Poster at: Northeastern University Research, Innovation, and Scholarship Expo (RISE); 9 April 2015; Boston, MA.
- J. Ebert, S. Kim, D. Sternad, and S. Schaal, "Learning and exploration in a novel dimensionality-reduction task." Poster at: Society for the Neural Control of Movement 24th Annual Meeting; 20-25 April 2014; Amsterdam, NL.
- J. Ebert, S. Park, and D. Sternad, "Asymmetric Learning in an Asymmetric Bimanual Task." Poster at: Northeastern University Research, Innovation, and Scholarship Expo (RISE); 10 April 2014; Boston, MA.
- J. Ebert, S. Park, and D. Sternad, "Asymmetric Learning in an Asymmetric Bimanual Task." Poster at: Northeast Undergraduate Research and Development Symposium; 2-3 March 2013; Biddeford, ME.
- J. Ebert, S. Park, L. Griffin, T. O'Neil-Pirozzi, and D. Sternad, "Central Fatigue in Cognitive and Motor Performance." Poster at: Northeastern University Research, Innovation, and Scholarship Expo (RISE); 29 March 2012; Boston, MA.

TEACHING

Northeastern Department of Computer Science

CS 2510 Fundamentals of Computer Science: Teaching Assistant	2014 - 2015
CS 2510 Fundamentals of Computer Science: Tutor	2012 - 2014

Proactive Recruitment in Science and Mathematics (PRISM)

Undergraduate Mentor 2011 - 2013

EMPLOYMENT

Interactive Motion Technologies | Software Development Co-op

July - September 2014

SFRVICE

Northeastern Civic Engagement Program	2010 - 2015
Boston Bikes volunteer	2014 - 2015
Tutor team leader at TechBoston Academy	2014
Brigham and Women's Hospital: Medical Career Exploration Program volunteer	2011 - 2013
Massachusetts General Hospital: Youth Program mentor	2010 - 2011

SKILLS

Programming Languages

Python (including Django, NumPy, SciPy, MatPlotLib) • MATLAB • C/C++ • Simulink • Java • Arduino • LabView • JavaScript • HTML/CSS · LATEX

Other

OpenMP · Database design · Linux · 3D motion capture · Kinematic and EEG data collection in human subjects

RELEVANT COURSEWORK

Computer Science

Machine Learning • Computational Neurodynamics • Artificial Intelligence • Robotic Science and Systems

Biomimetics • Comparative Neurobiology • Human Neuroanatomy • Biochemistry • Genetics and Molecular Biology • Organic Chemistry

Mathematics

Biological Signal Processing • Statistics and Data Analysis • Multivariable Calculus • Linear Algebra • Differential Equations