
Education

Northeastern University

Candidate for Bachelor of Science in Behavioral Neuroscience
Minor in Computer Science
GPA: 3.98/4.0
Honors: National Merit Scholar, Honors Program, Dean's List

Boston, MA
2010-2015, Anticipated

Research Experience

Northeastern University Action Lab

Volunteer Research Assistant; Research Co-op; Honors Project

Advisor: Prof. Dagmar Sternad

Project: Learning and long-term retention of a novel bimanual task

Project: Effects of central fatigue on cognitive and motor performance

- Collect data from human participants in motor control experiments, including electroencephalogram (EEG)
- Program data collection protocols and analysis tools with Matlab and Psychtoolbox
- Participate in and present at lab meetings on movement neuroscience

Boston, MA
2011 September - present
Co-op:
2012 July - December, 2014
September - December

Interactive Motion Technologies

Software development co-op

- Designed specifications for stroke evaluation software with input from clinicians, researchers, and software developers
- Developed software to store and automate clinician stroke evaluations with an HTML5 and JavaScript front end and a Django and SQL back end

Watertown, MA
2014 July - September

Max Planck Institute for Intelligent Systems, Autonomous Motion Department

Undergraduate Research Co-op

Advisor: Prof. Stefan Schaal, Director of Max Planck Institute

Project: Learning mapping of high-dimensional movements to Euclidean space

- Designed and developed experiments for the CyberGlove data glove
- Collaborated with a post-doctoral researcher to develop reinforcement learning models of a novel motor skill task
- Collected pilot behavioral data from human subjects
- Attended seminars and lab meetings on robotics and machine learning

Tübingen, Germany
2013 July - December

Teaching Experience

Northeastern University Department of Computer Science

Computer Science Fundamentals Teaching Assistant

- Teach two weekly lab courses of 30-50 students each
- Grade student exams and quizzes
- Hold twice-weekly office hours to assist students with course material

Boston, MA
2014 September - present

Teaching Experience

Computer Science Fundamentals Tutor

- Assisted college students in weekly introductory computer science labs
- Graded weekly student programming assignments
- Tutored students in course material at office hours

2012 September - 2014
April

Scholarships, Grants, and Awards

Marshall Scholarship	2015-2016
Fulbright Scholarship Finalist	2015
Northeastern University Provost Undergraduate Advanced Research Award	2014
Rhodes Scholarship Finalist	2014
Mitchell Scholarship Finalist	2014
Barry M. Goldwater Scholarship	2013-2015
DAAD Undergraduate Scholarship	2013
Northeastern University Provost Undergraduate Research Award	2013
Northeastern University Presidential Global Scholarship	2013

Conferences and Presentations

Society for the Neural Control of Movement 24th Annual Meeting

Poster Presenter

Ebert J, Kim S, Sternad D, & Schaal S. *Learning and exploration in a novel dimensionality-reduction task.*

Amsterdam, NL
2014 April 20-25

Northeastern University Research, Innovation and Scholarship Expo

Poster presenter

Ebert J, Park S, & Sternad D. *Asymmetric Learning in an Asymmetric Bimanual Task.*

Boston, MA
2014 April 10

Northeast Undergraduate Research and Development Symposium

Poster Presenter

Ebert J, Park S, & Sternad D. *Asymmetric Learning in an Asymmetric Bimanual Task.*

Biddeford, ME
2013 March 2-3

Society for Neuroscience 42nd Annual Meeting

Participant

New Orleans, LA
2012 October 13-17

Northeastern University Research, Innovation and Scholarship Expo

Poster presenter

Ebert J, Park S, Griffin L, O'Neil-Pirozzi T, Sternad D. *Central Fatigue in Cognitive and Motor Performance.*

Boston, MA
2012 March 29

Interests

Interests

Music

Clarinet and percussion

Member of Northeastern University Pep Band, Drumline (co-section leader), and Wind Ensemble (manager, treasurer)

Community Service

Northeastern University Civic Engagement Program

Boston Bikes Volunteer

Husky Volunteer Team leader (2014)

Brigham and Women's Hospital Medical Career Exploration Program Volunteer (2011-2013)

Massachusetts General Hospital Youth Program Volunteer Mentor (2010-2011)

Languages

Fluent in English and German

Other

Curling, web development, graphic and web design, novel writing, Math Club (secretary)