

Curriculum Vitae

William Thomas Adler

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Education

B.A. Carleton College
Psychology, 2010

Honors and Awards

Magna cum laude, Carleton College, 2010
Distinction in the senior thesis and in the major, Carleton College, 2010
National Merit Scholar, 2006-2009

Abstracts and Conference Presentations

Adler, W. T., London, J. M., & Marino, S. E. (2010, November). *Auditory metrical coordination of attention on a visual n-back task*. Poster session presented at the annual meeting of the Society for Neuroscience, San Diego, CA.

Rana, N., Medvedev, A. V., Adler, W. T., & Kanwal, J. S. (2011, May) *Brain networks for coping: Prefrontal activation precedes cognitive task performance following distress*. Poster session presented at the annual meeting of the Association for Psychological Science, Washington, DC.

Rana, N., Medvedev, A. V., Adler, W. T., & Kanwal, J. S. (2011, June) *Neural correlates of cognitive performance in a visual n-back task after auditory distress*. Poster session presented at the annual meeting of the Organization for Human Brain Mapping, Québec.

Research Experience

Research Assistant, 2011-

Department of Neurology, Beth Israel Deaconess Medical Center, Boston, MA

- Studied neural malformations caused by candidate dyslexia susceptibility genes in rats

Advisors: Dr. Glenn D. Rosen and Dr. Albert M. Galaburda

Senior Honors Thesis, 2009-2010

Department of Psychology, Carleton College, Northfield, MN

- Designed and executed an original experiment, analyzing the effects of an auditory rhythm on performance on an attentional task

Advisors: Dr. Susan E. Marino and Dr. Justin M. London

Research Assistant, 2009

Department of Physiology and Biophysics, Georgetown University, Washington, DC

- Designed and executed an experiment involving effects of stress evoked by an auditory stimulus on a working memory task
- Collected and analyzed electroencephalographic (EEG) and event-related potential (ERP) data, learning relevant techniques

Advisors: Dr. Jagmeet S. Kanwal and Dr. Andrei Medvedev

Research Assistant, 2008

Department of Experimental and Clinical Pharmacology, University of Minnesota, Minneapolis, MN

- Helped design techniques for eliciting and analyzing spontaneous speech patterns in brain-damaged patients
- Implemented a system to easily inventory and organize samples

Advisors: Dr. Susan Marino and Dr. Serguei Pakhomov

Biological Science Aid, 2004

National Institute of Dental and Craniofacial Research, National Institutes of Health, Bethesda, MD

- Conducted research, testing anesthetics and performing surgery on rats

Advisors: Dr. Michael Iadarola

Professional Memberships

Cognitive Neuroscience Society

Society for Neuroscience

Skills

Highly proficient with MATLAB/Octave, MBF NeuroLucida, MBF Stereo Investigator, EGI Net Station, BESA, E-Prime, PsyScope, SPSS, Microsoft Office, Adobe Creative Suite (Photoshop, Illustrator, InDesign), iWork, iLife, Final Cut Pro.

Have studied traditional drawing, painting, sculpture, printmaking, drumming.
Extensive background in digital media, graphic design.