Thomas Morin

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EDUCATION

Bachelor of Science, Cognitive and Brain Science, Computer Science   May 2017
Tufts University, Medford, MA
GPA: 3.70/4.0

ACADEMIC HONORS

- Dean's List (5/6 semesters)
- Psi Chi Honor Society
- 2016 Greg Ellenoff Internship Grant Fund Recipient

COMPUTER SKILLS

Languages: C, C++, Python, Bash
Software: MATLAB, FSL, Mango, PMOD, and SPSS
Key Concepts: Kinetic Modeling for PET, Brain Functional Connectivity Analysis, Basic Machine Learning

RESEARCH EXPERIENCE

Hooker Research Group, A. A. Martinos Center for Biomedical   April 2015 - Present
Imaging, Massachusetts General Hospital, Harvard Medical School

- Implemented a machine-learning algorithm to detect differences in the resting state functional connectivity of patients with Schizophrenia and normal controls
- Implemented a pharmacokinetic simulation tool and a blood data analysis tool for PET in Matlab
- Presented research to colleagues and mentors at lab meetings

Memory and Cognition Lab, Department of Psychology, Tufts University   May 2014 – May 2015

- Guided participants through computer-based memory tasks to study articulatory suppression and its effect on working memory
- Attended weekly lab meetings to update researchers on participants' feedback and recruitment

PUBLICATION

Placzek, M. S., Zhao, W., Wey, H. Y., **Morin, T. M.**, & Hooker, J. M. (2015). PET neurochemical imaging modes. *Seminars in Nuclear Medicine*, 46(1), 20-27 http://dx.doi.org/10.1053/j.semnuclmed.2015.09.001

PRESENTATION

Morin, T. M. Creating a Computer Simulation Tool for PET Neuroimaging. *Tufts University Undergraduate Research and Scholarship Symposium*. 2016. Medford, MA.

ADDITIONAL EXPERIENCE

- **Office of Residential Life and Learning, Tufts University**
  Senior Resident Assistant   Aug. 2016 - Present
  Resident Assistant   Aug. 2014 - May 2016
- **Enigma: Tufts Independent Data Journal**
  Contributing Author   Jan. 2016 - Present
- **Tufts Psychology Society**
  Class of 2017 Representative   Sept. 2015 – Present