Stanford University Psychology Department, PhD Application

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| **TEACHING EXPERIENCE** | | |
| CHARITÉ – UNIVERSITÄTMEDIZIN BERLIN  **Research Associate, Haynes Neuroimaging Lab** | | **Berlin, Germany**  **2012—2013** |
| * Developed an algorithm, based on brain-computer interfacing principles, for predicting and interrupting intentions using EEG signals processed in real time by a machine learning algorithm. * Studied whether participants, placed in a feedback loop where their intentions were interrupted, would be able to modify their observable brain activity, and thus indirectly their predictability. * Explored the brain regions containing information about ‘response rules’, such as “when I see an X, press the left button”, using fMRI and multivariate decoding methods. |  | |
| CORNELL UNIVERSITY  **Undergraduate Research Assistant, Computational Physiology Lab** | **Ithaca, NY**  **2010—2012** | |
| * Collected data to develop a model of rat behavior as Bayes optimal observers within an complex olfactory environment. * Studied the role played by BDNF in the consolidation of short term memory within olfactory bulb neurons. * Obtained data to evaluate a predictive model of memory consolidation for a mouse olfactory generalization task. |  | |
| **EDUCATION** | | |
| CORNELL UNIVERSITY  College of Arts and Sciences  **B.A. Biology, May 2012**  GPA: 3.62 | **Ithaca, NY**  **2008—2012** | |
| **TEACHING EXPERIENCE** | | |
| CORNELL UNIVERSITY – CORNELL OUTDOOR EDUCATION  **Outdoor Educator, Rock Climbing and Winter Camping** | **Ithaca, NY**  **2009—2012** | |
| * Instructed students in sustainable outdoor practices and technical skills for rock climbing on cliff faces in the Catskills, NY and Red Rock, NV areas. |  | |
| CORNELL UNIVERSITY  **Undergraduate Tutor, Object Oriented Programming (CS 2110)** | **Ithaca, NY**  **2009—2010** | |
| **ADDITIONAL SKILLS** | | |
| * Proficient in Python, MATLAB, and Java * EEG and fMRI recording and data analysis * Multivariate decoding and machine learning algorithms * Fluent in French, conversational in German |  | |
| **WORK EXPERIENCE** | | |
| CORNELL UNIVERSITY  **Lead Facilitator, Cornell Team and Leadership Center** | **Ithaca, NY**  **2009-2012** | |
| * Worked with groups of facilitators to design and lead students and staff through team-building programs. |  | |