Zachary Ingbretsen

382 N. Main St., West Lebanon, NH 03784 • zach@zingbretsen.com • (631) 987 - 1475
https://www.linkedin.com/in/zingbretsen

EDUCATION

Dartmouth College, Hanover, NH   **June 2011**
Bachelor of Arts: Major in Neuroscience with Honors   **GPA: 3.49/4.0**
Relevant Courses: Discrete Mathematics, Intro to Computational Neuroscience, Intro to
Computer Science

RELATED EXPERIENCE

Intergroup Neuroscience La, Harvard University, Cambridge, MA   **September 2014 - Present**
Research Technician/Software Developer
- Analyzing fMRI data using Matlab and Python tools
- Building online experiments for data collection

Social Cognitive and Neural Sciences Lab, Dartmouth College, Hanover, NH   **July 2012 – June 2014**
Lab Manager/Software Development Assistant
- Designed and built webMT in JavaScript/PHP/MySQL, a framework to collect mouse-tracking, ratings, and survey data online.
- Aided development of desktop version of MouseTracker
- Wrote/maintained scripts to automate data processing using Python, Matlab, and VBA in Excel that have saved weeks of manual work.

Norris Social Neuroscience Lab, Dartmouth College, Hanover, NH   **July 2011 – June 2012**
Lab Manager
- Wrote Python scripts to process AFNI output files (fMRI data) and convert them to a form usable in SPSS.
- Programmed experiments in e-Prime for fMRI, EEG, EMG, and behavioral studies. Experiments included a dot-probe paradigm, finger imitation, and event -related brand recognition designs (using video clips), which required inline coding in E-Basic.
- Wrote scripts to process eye-tracking data in Matlab.

ADDITIONAL EXPERIENCE

Merchant Mechanics, West Lebanon, NH   **April 2012 – Present**
Senior Consultant for Integrated Research
- Creating client dashboard for data visualization
- Coding experiments and data processing scripts (e.g., to link EEG and eye-tracking data)
- Training staff on best practices in psycho-physiological research.

COMPUTER SKILLS

Zachary Ingbretsen

382 N. Main St., West Lebanon, NH 03784 • zach@zingbretsen.com • (631) 987 - 1475
https://www.linkedin.com/in/zingbretsen

Languages:
- Proficient in: JavaScript/jQuery, CSS, HTML, Python (2/3), Matlab
- Familiar with: Visual Basic 6, Visual Basic for Applications, e-Basic, PHP, Java, bash, SQL, R, AutoHotKey

Software:
- Vim, Matlab, TortoiseSVN, Microsoft Excel, VirtualBox, WAMP, Eclipse

Platforms:
- Microsoft Windows (XP, Vista, 7), Linux (Mint, Ubuntu, Fedora), Unix