

Erin L. Browning

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EDUCATION

B.S. Neuroscience, University of Wisconsin—Milwaukee, May 2012, Graduated *Summa Cum Laude*, 3.955 GPA

Minors: Chemistry, Biology; Honors Thesis: Psychology

Courses: Breaker101

WORK HISTORY

Quality Assurance Engineer, Nov 2014 -- Aug 2015, Raise.com

- Prioritized and provided proof of concepts for security issues in our codebase
- Audited controllers in our API for security issues and paired on fixes
- Laid a road map and begun the implementation of strong params (gem for mass assignment prevention)
- Regularly presented lightning talks on security in Rails for devs
- Increased the speed of our automated test suite by sevenfold (30 min execution to 4 min execution)
- Implemented SitePrism to increase the reliability and speed of our frontend automated tests
- Created an automated suite to run against any Raise.com server to test site reliability

Quality Assurance Engineer, 2014, Centro Media Logistics

- Wrote automated tests in RSpec to test custom gems for various media and ad buying APIs
- Converted unit, integration, and external tests from Test::Unit to RSpec

Quality Assurance Engineer, 2013-2014, Networked Insights

- Performed quality checks on UX and functionality for a dashboard project
- Coded automated testing suites using Selenium WebDriver in Java
- Performed quality checks on backend functionality and data flow, including creating data comparisons using Python, PostgreSQL, and GreenPlum
- Created mock JSON structures to simulate edge cases in testing environments

Research Intern, 2012-2014, **Research Assistant**, 2011-2012, UW - Milwaukee (Dr. Krista Lisdahl)

- Analyzed a 131-subject MRI study, including managing the data and interpreting results
- Responsible for participant recruitment and data collection for current studies, including exercise testing, neuropsychological examination and MRI data collection
- Designed processing streams for current MRI data
- Maintained and updated research databases and website (www.uwmbrainlab.com)
- Coded shell scripts and python programs for MRI processing and neuropsychological test timing
- Maintained manuals for various types of processing; trained staff on new software or procedures

OTHER WORK

- **Lab Manager**, 2009-2011, UW-Milwaukee (Dr. J Carson Smith) - Maintained, ran and organized the on-campus lab, including managing staff, and processed collected data.
- **SURF Summer Research Assistant**, 2010, Mayo Clinic (Dr. Istvan Pirko) - Ran behavioral and MRI study on mice using to record disease progression. Processed MRI data from the study and an older study.

PROFICIENCIES

Software: Ruby, RSpec, HTML/CSS, Adobe Creative Suite, shell scripting, Linux/Mac OSX/Windows XP and up, FreeSurfer, AFNI (Analysis of Functional Neuroimages), ePrime, BURP Proxy