Brian W Salter

Seeking Post-Grad Employment, preferably dealing in Artificial Intelligence or Software Engineering.

EDUCATION

University of Minnesota - Twin Cities | Minneapolis, MN
Bachelor of Science in Computer Science - Artificial Intelligence and Software Engineering | Expected December 2013
- Cumulative GPA: 3.203/4.00
- Relevant Coursework: Data Structures Using Python, Scheme and C++; Algorithms using C++; Discrete Structures and Logic; Machine Architecture; Elementary Computational Linear Algebra; Internet Programming; Operating Systems; Introduction to AI; Program Design and Development; AI; Data Mining; Machine Learning

RELEVANT EXPERIENCE

University of Minnesota Computer Science Department | Minneapolis, MN
Teaching Assistant | September 2011 – Present
- Teaching Assistant for intro level CSCI courses (CSCI 1901, 1902, 1913)
    - Coordinated development of an Android tablet application for use in future semesters
    - Instructed students in basic programming through use of Scheme, Python and Java
- Constantly increasing my knowledge of Scheme, Python and Java
- Developed several scripts and review programs for the classes to use

Thomson Reuters | Eagan, MN
Technical Writer | May 2012 – August 2012
- Organized documentation for an entire department
    - Designed an organizational structure for 1600+ pages of documentation used by 100+ employees
- Designed and Programmed a Java and SQL based solution to monitor web service timeouts
    - Helped eliminate the generation of thousands of emails per day
- Developed and Implemented a shell script to generate 14,000+ QR codes
    - Used with mobile websites to help customers generate advertisements

PROJECTS *http://github.com/saltosaurus*

Fuzzbuster | May 2013 – Present
- Reactively and Proactively fix security vulnerabilities in software

PÜMA - https://github.com/saltosaurus/PUMA | February 2013 - Present
- Manipulated large-scale database to reduce data complexity
- Analyzed data using several machine learning algorithms (Naïve Bayes & Perceptrons)
- Actively working to improve results by implementing more sophisticated algorithms

Personal Website - https://github.com/saltosaurus/saltosaurus | Summer 2013
- Conceptualized and built a site from scratch using skills learned in independent study through codeschool.com
    - HTML5, CSS3, JavaScript, jQuery, Coffeescript, Sass
- Constructed using Flask, a Python microframework

ADDITIONAL EXPERIENCE

Garden City Casino | San Jose, CA
TPPP | August 2008 – May 2010
- High focus and attention to detail necessary to protect upwards of $100,000 from theft

SKILLS

Programming Languages
- *Proficient*: Lisp, Python, C++
- *Familiar*: MATLAB, Java, HTML5, CSS3, C#, SQL, Javascript, jQuery, Coffeescript, Sass, Ruby
- *Learning:* PHP, Objective-C, Ruby on Rails, Backbone.js, Haml, Node.js

Software
- *Development Environments*: Eclipse IDE, Emacs, Visual Studio 2010, Adobe Dreamweaver, Xcode 4
- *Other*: GIT, GNU Debugger, Subversion, Wordpress, Perforce, Django, Flask

HONORS & ACTIVITIES

- Dean's List | Fall 2010
- Volunteer at Fairview Ridges Hospital | December 2010 – November 2011
- Writing a Fantasy Novel