RYAN FISHER

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OBJECTIVE:

A software development position utilizing the technical skills acquired through my education in computer science and experience in software engineering.

TECHNICAL SKILLS:

Languages: Python, Ruby, CoffeeScript, JavaScript, HTML 5, CSS3

Frameworks/Libraries: Rails, DataMapper, RSpec Backbone.js, Underscore.js, jQuery, Django, unitest, jekyll

Developer Tools: Git, Github, CircleCI, AWS (EC2 and S3), Google Analytics, Mixpanel, Sublime Text, Vim

EXPERIENCE:

Software Engineer – Nulu, San Diego, CA (April, 2012 – present)

- Develop web application that uses interesting articles on fresh news content to help the world learn a foreign language in an engaging way.
- Build the backend using Ruby on Rails, DataMapper for the data models, and MySQL for the database.
- Use Cassandra database to work with user tracking data.
- Develop a messaging system using HTML 5 media features that allows tutors to send and receive text and/or audio messages from their users.
- Use Bootstrap css and custom media queries to make nulu.com look good and work well on mobile devices.
- Develop mobile app prototypes using both Titanium and PhoneGap to get an idea of the practicality of developing iOS and Android apps with either of those frameworks.

Contract Webmaster/SEM Secialist - Aviatech, San Diego, CA (February, 2011 – June, 2012)

- Maintain series of franchisee websites built on a proprietary content management system.
- Use CSS and jQuery to implement design requests and interface features within the limits of the content management system.
- Develop Python scripts using various api's to automate reporting and other processes in order to decrease time spent on auxillary tasks.
- Manage Adwords pay-per-click online marketing campaigns which includes tasks such as writing ad copy, split testing ads, performing keyword research, monitoring daily budget changes based on clients' monthly budgets, and managing keyword bids to optimize cost-per-lead numbers.
- Lead search engine optimization efforts on a series of websites resulting in month over month increases in search engine traffic from the start of the campaign in February to the industry slow period in October.
- Set up Google Analytics profiles with necessary filters, goals, and other advanced features.

Contract Web Developer – Self-Employed, San Diego, CA (December, 2007 – March, 2008)

- Developed website for client using PHP and MySQL that allowed for easy uploading of files via a simple user interface.
- Created numerous web designs with HTML and CSS while adhering to best practices for search engine optimization.
- Set up self-hosted installations of Wordpress and customized templates to provide clients a simple and unique platform for publishing content.

EDUCATION:
Completed core courses for BS in Computer Science, Mar 2011.
UCSD - Jacobs School of Engineering
3.4 GPA

Computer Science Courses, Jun 2008.
Palomar Community College/Mesa Community College
4.0 GPA

BS in Management Science, Dec 2005.
University of California, San Diego

COURSEWORK:

C/C++ Programming	Algorithm Design and Analysis
Operating Systems	Advanced Data Structures
Computability Theory	Programming Languages
Artificial Intelligence	Discrete Mathematics
Java Programming	

OTHER SKILLS/QUALIFICATIONS:
- Scored highest out of 68 students in a competition on a Python assignment in my Programming Languages course that required performance benchmarking and some awareness of algorithmic complexity.
- Implemented an interpreter for a subset of ML in my Programming Languages course leading to a better understanding of the functional programming paradigm.
- Completed programming assignments in Operating Systems course that required implementation of scheduling algorithms, use of semaphores for synchronization, and implementation of a user level threading system, all in C.
- Tested personal projects and class assignments using Python's unittest.
- Developed a Python script to rank the fantasy baseball teams in my keeper league using a combination of available statistics projections.