Morgen Peschke

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https://github.com/morgen-peschke

SKILLS LANGUAGES

Skills: Web Programming, Database Design, OOP
POSIX and Windows programming APIs
Basic Linux administration, Parallel programming

Languages: Ruby, HTML, JavaScript, CSS, Bash
C/C++, Perl, Python, MySQL

Frameworks: Ruby on Rails

PROJECTS

Table Name to Class Gem   github.com/morgen-peschke/table-name-to-class
RUBY - ACTIVERECORD   rubygems.org/gems/table-name-to-class

- Resolves ActiveRecord database table names to the associated ActiveRecord class.
- Correctly handles namespaced tables, and overridden table names.

Parsed Attributes Gem   github.com/morgen-peschke/parsed-attributes
RUBY   rubygems.org/gems/parsed-attributes

- Provides simplified handling of parsed data through linked attributes.

EXPERIENCE HIGHLIGHTS

Software Engineer   Feb 2014 - Jul 2014
CALLTRACKINGMETRICS   Severn, MD

- Designed, implemented, and maintained the Custom Display Formatting feature.
  - ⋆ Solved a long-standing issue with numbers that have a non-standard representation
  - ⋆ Highly complex feature required code in 3 inter-related systems, written in Ruby, Lua, and JavaScript.
- Designed and implemented integration with Box.net via OAuth2
  - ⋆ Enabled customers to bulk export call audio
- Significantly expanded test suite coverage.

Software Engineer   Jun 2013 - Feb 2014
MANTECH INTERNATIONAL   Hanover, MD

- Completed the MCIS Advanced Cyber Training Program (ACTP)
- Lead initial design and development of question-based recruiting website

Teaching Assistant   Jan 2012 - Jun 2013
BYU-I, COMPUTER SCIENCE DEPARTMENT   Rexburg, ID

- Programmed test harnesses for student projects, which helped the students to test their work and greatly reduced grading time for the professor
- Examined the new version of the Networking textbook, and provided suggestions for integrating it with the course

Sales Development   Dec 2009 - May 2010
PLATINUM ROOFING   San Jose, CA

- Used Python and COM to connect an Excel call sheet to Google Maps and sorted them by driving distance to improve marketing efficiency
- Uncovered evidence that the company had been sold a call sheet that was more than 3 years out-of-date
- Applied scripting technologies to work-flow and improved call speed by 30%
- Total savings to company: over $6,280

Specialist   Jan 2008 - Jun 2009
APPLE COMPUTER   Santa Rosa, CA

- Leveraged AppleScript to enable the repair technicians to provide limited data recovery services on damaged drives

EDUCATION   **Bachelor of Science: Computer Science**   Jul 2013
BRIGHAM YOUNG UNIVERSITY - IDAHO (BYU-I)   Rexburg, ID

- **Relevant Coursework:**
  Algorithms and Complexity, Web Engineering, Networking
  Operating Systems, Software Engineering, Database Design

- **Projects:**
  Genetic Optimization of the Ant Colony family of algorithms
  2D Boolean Network implementation of Conway's Game of Life