

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, C/C++
Perl, Python, Java, MySQL, Bash

Frameworks: Ruby on Rails

PROJECTS

Table Name to Class Gem github.com/morgen-peschke/table-name-to-class
RUBY - [ACTIVERECORD](https://rubygems.org/gems/table-name-to-class) 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.

WORK EXPERIENCE

Software Engineer Feb 2014 - Jul 2014
CALLTRACKINGMETRICS Severn, MD
Ruby, JavaScript, HTML/CSS

- 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 cloud storage via OAuth2
 - Enabled customers to bulk export call audio
- Significantly expanded test suite coverage.

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

- 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
C++, Perl, Bash, JavaScript, Java

- Designed and built test harnesses for student projects

- Enabled students to test their work, increasing understanding and confidence
- Greatly reduced grading turn-around time and complexity

EDUCATION

Bachelor of Science: Computer Science

BRIGHAM YOUNG UNIVERSITY - IDAHO (BYU-I)

Jul 2013

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