

# Morgen Peschke

---

1817 Watch House Circle South, Severn, MD 21144  
(408) 724-0713 - [morgen.peschke@gmail.com](mailto:morgen.peschke@gmail.com)  
<http://www.linkedin.com/in/morgenpeschke>  
<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](https://github.com/morgen-peschke/table-name-to-class)  
RUBY - [ACTIVE RECORD](https://rubygems.org/gems/table-name-to-class) [rubygems.org/gems/table-name-to-class](https://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](https://github.com/morgen-peschke/parsed-attributes)  
RUBY [rubygems.org/gems/parsed-attributes](https://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**  
PLATINUM ROOFING

Dec 2009 - May 2010  
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

**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