JON EGELAND

240-328-2924 | jonegeland@gmail.com | http://www.jonegeland.me

288 Cary Quadrangle
1016 West Stadium Avenue
West Lafayette, IN 47906

OBJECTIVE

Looking for a Summer Internship (3 months) position in the field of Computer Science, focusing on application development (web, desktop, and/or mobile).

EDUCATION

Purdue University, West Lafayette, IN   **2013 – 2017 (est.)**
    B.S. Computer Science: Software Engineering, Programming Languages

EXPERIENCE

Xerox, Quality Assurance Intern   **June – August 2014**
    Pitched, designed, and developed a metric analysis automation platform to improve business insight across the organization.
    Python, SQL, Batch, Ruby/Rails

Purdue MDA Research Group, Undergraduate Research Assistant   **January 2014 – Current**
    Developed wrapping interfaces for missile defense simulation software, including data transfer protocols, construction, and visualization applications.
    Java, MATLAB, Bash

Pioneering Evolution, LLC, Internal Research and Development Intern   **May – August 2013**
    Implemented and helped plan a charge code authorization manager which allows managers to explore future employee availability and contract requirements.
    Ruby/Rails, HAML, SASS, JavaScript (jQuery), Twitter Bootstrap, Git

Montgomery County Public Schools Headquarters, Full Stack Development Intern   **October 2012 – May 2013**
    Designed, pitched, and implemented multiple tools for internal use by headquarters staff. Projects included a URL shortener/tracker and a real-time display of the status of district schools.
    Ruby/Rails, NodeJS, MySQL, MongoDB, JavaScript (jQuery), CSS, Twitter Bootstrap, D3, Git

SKILLS

Ruby – Three years independent learning.
Python – One year independent learning.
JavaScript - Five years independent learning (both server- and client-side).
C/C++ - One year in high school; One semester in college; Five years independent learning.
Java - Two years in high school; Four years independent learning.
PHP / MySQL - Five years independent learning.

Avid contributor to *Stack Overflow*, answering questions mainly in Java and PHP, or scrolling through answers to learn more.
High proficiency with the most recent versions of Microsoft Office, Adobe Creative Suite, and multiple IDE tools.
Comfortable in both Windows and Unix command-line interfaces.
Extensive experience with Windows, Mac, and Linux Operating Systems.
Experience with multiple version control systems, primarily **Git** and **SVN**.

ACTIVITIES

Worship Musician:
    Bassist for Sunday Morning Worship Service   **2007 – 2013**
    Guitarist and Vocalist for Youth Night-time Worship   **2007 – 2013**
    Waves of Grace Youth Vocal and Handbell Choirs   **2007 – 2013**
    Independent composer and song-writer   **2010 – 2013**

Avid Audio Engineer: **2007 – 2014**
    Extensive experience with studio tools such as Reason, FL Studio, Live, and others
    Former member of multiple Audio/Visual teams

Computer Programming Club/Team at Sherwood High School: **2009 – 2013**
    Member (2009 – 2011)
    President/Captain (2011 – 2013)

PROJECTS

active_record, http://github.com/audiobahn404/active_record
    A **Python** implementation of the Active Record pattern for databases. Heavily inspired by Rails.

Band Manager, http://bandmanager.us
    An early experiment in **Rails** used by the bands I participate in to plan and manage playlists and libraries for our events.

AmerAudio, http://www.ameraudio.com/fix
    A quick-and-dirty mock-up of a potential audio streaming service. Written from scratch in **PHP**.

Slides.php, http://github.com/audiobahn404/slides.php
    An extension to impress.js which adds the ability to programmatically create slides through **PHP**.

Quarks/R-base, http://www.github.com/shsprog/
    The beginnings of two games written in **Java** developed by the programming team at Sherwood High School.

statuses, OpenNovel, and more of my projects from the past few years are available as open source on GitHub at http://www.github.com/audiobahn404.