

TANNER BALDUS

U of Oregon Class of 2015



LANGUAGES & TOOLS

- ☐ PYTHON
- ☐ DJANGO
- ☐ GIT
- ☐ HTML/CSS
- ☐ JAVA
- ☐ C++
- ☐ LINUX
- ☐ OTHERS:
PyCharm, Beautiful Soup, Selenium, Pandas,
IPython, Jira, Pypi, Sublime Text, Pencil
Project WireFrame, Model Mommy, Docopt



EDUCATION

- ☐ **University of Oregon**
Computer Science w/ Physics Minor
Classes Taken:
Artificial Intelligence, Databases, C++/Unix,
Algorithms, Data Structures, Graphics
Programming in Python, Intro to Sys Admin
- ☐ **Udacity**
Data Analyst Nanodegree
Classes Taken/ In Progress:
Intro to Data Science, Intro to Machine Learning



RECREATION

- ☐ **MARTIAL ARTS**
Wrestling, Judo, BJJ, Sambo, Muay Thai, MMA
- ☐ **HIKING**
Iron Mt, Multnomah Falls, 3 days @ Oregon Coast,
Salmon River Trail, Angel's Rest
- ☐ **PODCASTS**
Hardcore History, We Have Concerns, Planet
Money, BBC Hard Talk, Snap Judgment, Wait Wait
Don't Tell Me, This American Life



WORK EXPERIENCE & PROJECTS

W

SOFTWARE ENGINEER INTERN / Jun 2014 – Sep 2014

Electric Cloud in San Jose, CA:

Worked with the engineering team on a Huddle Django based peer to peer cluster manager.

Optimized database queries.

Wrote unit tests using unit tests for Huddle for parts of the code base lacking test coverage.

Resolved assigned Jiras.

Wrote an extensible program to extract unit tests from various testing frameworks into a makefile to be parallelized by Electric Accelerator.

Collaborated with the Senior UX Engineer to create flows for new features.

P

COURSE SHOPPER / [Project Page](#)

A Django app to improve the course search experience by giving students better search filters and embedding instructor ratings into course descriptions.

Wrote a module to wrangle data from the current U of Oregon course webpage in a functional style.

Extended the Selenium webdriver to wrangle instructor evaluation data to behind student login.

Created functions to update an arbitrary model's many to many field given a list of kwargs.

Currently working on: integrating whoosh search, a RESTful api and the front end.

P

GET LUCKY / [Project Page](#)

A command line interface for Songza to quickly set the mood.

Plays a random playlist from Songza from a particular genre, mood, or activity.

Uses Beautiful Soup to locate playlists from Songza and docopt to parse command line args.

W

TEACHER / Feb 2014 – Jun 2014

Thinkersmith in Eugene, OR:

Taught CS fundamentals to K-8 students using physical objects as well as software.

Led teams of students in various programming environments.

Fostered student interest in deepening their understanding of CS and its intersection with other disciplines.

W

UNDERGRAD TA & PYTHON DEV / JUN 2013 - PRESENT

Dr. Michal Young at University of Oregon:

Wrote and automatic grading website called Codecheck.

Used the subprocess module to call students code and check the output against multiple test cases.

Created exercises for students to solve and submit to CodeCheck.

Held office hours and assisted in labs for CIS 210: Intro to CS.

P

LADY LAZARUS / Language: C++

Puzzle Platformer based on the Sylvia Plath poem Lady Lazarus.

In the game the player must die to gain new powers to complete the level. e.g. The player is killed by fire with the ability to run faster.

As a member of a small team was tasked with implementing the character architecture.

Implemented the character architecture using the state pattern to change the player's death powers. The states were changed via a Visitor pattern, which took care collisions (hence deaths) as to leave game objects loosely coupled.

P

DNA DANCE / Language: Python

A Maya Autodesk animation driven by Python.

Parsed GenBank files using BioPython to drive Maya Autodesk animations via genetic sequences.

Created two different animation styles one where genetic sequences drove the scale and another where the sequence drove the glow property of blinn shaders.



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