

Galen Scovell

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galenscovell.github.io

Skills

LANGUAGES

Java (*Proficient*)

Python (*Proficient*)

R (*Proficient*)

JavaScript (*Proficient*)

C# (*Proficient*)

HTML (*Proficient*)

CSS (*Proficient*)

FOCUS AREAS

Natural Language Processing

Machine Learning

Web Services

Web Development

Game Development

TOOLS

Amazon Web Services

Git & Mercurial

ElasticSearch

Django & Flask

Redis

Docker

Linux

LibGDX

.NET

SOFT

Quick Learner

Passionate

Collaborative

Generalist

Autodidact

Work Experience

Data Science Engineer • Seattle • WA

Oct 2015 - Present

PayScale, Inc.

- Co-created NLP data analysis pipeline for inferring topics and skills from job description files of varying formats. Utilized Python, ElasticSearch, Mallet and Redis as well as many Python modules such as Numpy, Sklearn, Boto, Nltk, Flask and Web.py
- Handled deployment, operation, and automation of numerous interconnected web services for data analysis pipeline. Utilized AWS EC2, Docker and AWS Lambda/S3

Software Engineer Intern, Data Sciences • Seattle • WA

July 2015 - Sept 2015

PayScale, Inc.

- Constructed a dynamic drag-and-drop web app for matching job description files with their internal PayScale job title
- This app is used as a primary tool during the customer onboarding processing, forming an integral part of the data analysis pipeline
- Utilized extensive JavaScript, C#, HTML/CSS, JSON and AWS S3

Bioinformatics Research Assistant • Eugene • OR

Jan 2015 - Apr 2015

University of Oregon Institute of Neuroscience

- Designed and created a GUI data parser in Python analyzing the Cuttlefish transcriptome (over 1 million entries) with an elegant interface, efficient search and graph/chart output
- Utilized Python, Tkinter, Pandas and Matplotlib

Projects

Flicker • github.com/galenscovell/Flicker

Roguelike for Android

- Dungeon-crawling RPG in Java using custom game engine coded with the LibGDX framework
- Utilizes cellular automata, bitmask sprite skinning, and JSON deserialization for procedurally generated levels, entities and items

µblogger • github.com/galenscovell/Django-Microblogger

Fully-featured blogging CMS

- Developed blogging platform with Django hosted on Heroku
- Implemented user authentication, creation/editing/deletion of posts and comments, and searching content across the site

Education

B.Sc (2011 - 2015)

University of Oregon

Biology, GPA 3.5 / 4.0