

William Butts

Portfolio: shea-wolfe.github.io
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TECHNICAL SKILLS

Python: Lists, Dictionaries, Loops, Conditionals, Classes, OOP, Unit tests, Functions, and Methods

API design: Django, Django REST Framework, Firebase REST API

Web design: JavaScript, HTML, Purecss, Bootstrap, and CSS3

Data Analysis: NumPy, pandas, IPython, and matplotlib

Database: SQLite and PostgreSQL

Version Control: Git and GitHub

Live App Deployment: Heroku

EXPERIENCE

Tanks For Waiting

Nov 2015

- Worked with a front end developer to create Tanks For Waiting, a browser embedded game written in JavaScript for live chat queues.
- Communicated effectively with front end developer by utilizing agile methodologies which includes daily stand ups, sprints, and using Trello as a project management tool.
- Built a RESTful API in Django that communicated with the JavaScript game and Firebase API to track and validate data.
- Designed a landing page for our app at tanksforwaiting.github.io using Purecss.
- Used nose, a testing application, to write and execute unit test suites to prevent buggy deployment to Heroku.

Bayer CropScience, Research Triangle Park, NC

Jan 2015-July 2015

Project Controls Specialist-Site Services

- Set-up and monitored project spending and allocation using SAP software.
- Ensured timely invoice processing using Your DOCeS online workflow.
- Implemented key functionality in the employee directory using Excel.
- Created site standard documentation for new A/V rooms.

EDUCATION

The Iron Yard Durham

Aug 2015- Nov 2015

Python Engineering

- Spent 60-100 hours a week learning data analysis and building web-applications and APIs
- Used GitHub and Agile to enable large-scale, cross-discipline collaboration on projects.
- Learned to utilize Python extensions including NumPy, pandas, the IPython notebook, and matplotlib.
- Attained a strong understanding of command line use, dictionaries, classes, objects, unit tests, functions, and methods

Macalester College, St. Paul, MN

May 2010

Bachelors of Arts in Biology and Japanese

GPA: 3.45/4.00