ZACHARY HUNTINGTON-MEATH

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TECHNICAL SKILLS

- Python 3
- Data Analysis & Visualization
- App deployment via Heroku
- Flask
- PostgreSQL & SQLite3
- SQLAlchemy
- REST APIs
- HTML5 & CSS3
- Foundation
- Experience in Posix environments
- Git and GitHub
- Agile Development
- Critical Thinking
- Object-Oriented Programming

PROFESSIONAL EXPERIENCE

PYTHON CLUTCH
Product Owner and Developer, March 2015

- Created a web application as a part of a four person team, to categorize and group open source user-submitted Python packages to act as a resource for the Python community.
- Leveraged agile development methodology with daily scrums and three day sprints to structure and organize the development process for the application.
- Acted as product owner, and made decisions about the user experience and content for the application.

THE IRON YARD ACADEMY
Python Engineering Bootcamp, January 2015 - April 2015

- Learned Python Engineering in The Iron Yard programming boot camp. Worked 60 - 80 hour weeks for three months, culminating in a three week final project (Python Clutch).
- Collaborated with Front-End engineers and Python engineers to pair-program and create full featured web applications.
- Created web applications and REST APIs with Flask micro-framework, HTML5, CSS3, and jQuery. Used PostgreSQL, SQLite3, and SQLAlchemy to create databases for these applications.
- Ran Monte Carlo simulations to determine a statistically optimal strategy for Pig, a dice game, and to find out what the speed limit for a road should be with a traffic simulation.
- Made a spam filter, and programming language classifier with Machine Learning using scikit-learn.
- Learned how to scrape websites using Beautiful Soup and Requests.

LABORATORY CORPORATION OF AMERICA
Cytogenetic Technologist I, April 2012 – December 2014

- Prepared between 60-180 blood samples one to five times a week to ensure proper concentration of chromosomes in order to enable successful recording and analysis.
- Primary manager of an industrial laboratory chemical inventory for two departments (Bone Marrow and Post-Natal Blood), including ordering and quality control testing, resulting in no problems of testing because of a shortage of materials.

UNIVERSITY OF NORTH CAROLINA AT GREENSBORO, BIOLOGY DEPARTMENT
Microbiology Lab Assistant, August 2011 – December 2011

- Worked with students both one on one and in a group to facilitate understanding of prework material.
- Instructed students on classification of organisms, confocal and light microscopy methods, bacterial conjugation and mapping, and bacterial growth curve

VOLUNTEER EXPERIENCE

TRIANGLE OPEN DATA DAY
Developer, February 21st - 22nd

- Worked with a team to create a runner safety map of Raleigh using public crime data and the NC Department of Transport's crash data.
- Built using Pandas, Flask, JavaScript, and the Google Maps API v.3.

HOPELINE INC
Crisis Call Volunteer, January 2012 – July 2014

- Counseled people in a state of crisis and provided non-judgmental listening and information to aid them.
- Made reassurance calls to the elderly to ensure they were well.

ILLOGICON
Board Member, Director of Gaming, September 2012 – January 2014

- Designed the overall gaming experience for the event, from preregistration to onsite implementation.
- Recruited and supervised a group of over 15 volunteers to staff the event.
- Promoted gaming at illogiCon through print and social media.

EDUCATION

UNIVERSITY OF NORTH CAROLINA AT GREENSBORO
August 2006 - December 2011

- Major: Biology (B.S.)
- Minor: Chemistry
- Graduated cum laude with a 3.61 GPA
- Member of the Tri-Beta Honor Society
- Dean's list May 2009- December 2011