

Education

UC Berkeley	B. A. Applied Mathematics, Computer Science Concentration	2014
edX	Certificate - AWS Developer: Building on AWS	2019

Skills

Python, Django, Google Cloud, AWS, PostgreSQL, Unix, Git, Selenium, GraphQL, AJAX, Javascript, ReactJS, React-Redux, Scrapy, Bash Shell Script, Java MapReduce

Experience

Software Engineer

May 2016 - June 2020

Eudemonia, Berkeley

- Developed in-house and Software as a Service game card online stores
- Created price adjustment system to update every 30 minutes, increasing customer base
- Developed player match-up feature for SaaS game event system
- Coded SaaS game event payment page with 3% fee per transaction
- Designed and implemented in-house and SaaS inventory management systems for game cards
- Created translations between different sources of inventory data
- Developed inventory price update system using web scraper, Google Bucket and functions
- Provided on-call system maintenance for SaaS customers
- Coded event account creation, refunds, checkout with store credit or credit card using RESTful APIs
- Converted Django queries to SQLAlchemy & Javascript to ReactJS to increase efficiency
- Programmed recurring employee task checklist
- Implemented automated testing using Python and Selenium

Freelance Software Engineer

January - March 2016

- Created Web Scraper in Python with Scrapy using PostgreSQL to collect and store card prices.
- Sold Web Scraper to Eudemonia

Software Engineer Intern

June - August 2015

SquareTrade, San Francisco

- Transitioned from RDBMS storage to Hadoop, increasing performance from 7 hrs to 20 minutes
- Programmed Java MapReduce to decode, parse binary files, load data into tables
- Created a denormalized table with Impala/Hive and imported tables with Sqoop onto Hadoop
- Automated process with Bash Shell Script

Software Engineer Intern (part time)

Sept 2014 - March 2015

Professor Paolo Ricci, PhD, Epidemiology, University of Bologna

- Created analytical models of biological disease processes with Python, iPython, PyCharm, NumPy
- Designed data visualization and created 3D and other graphs
- Conducted dynamic Bayesian network and fuzzy logic analysis

OpenOakland Volunteer Work: Programmed backend U.S. Census registration in Django for events