Seth Brunwasser

http://sethbrunwasser.me
github.com/sethbrunwasser

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EDUCATION

Arizona State University — Tempe, AZ
Bachelor of Science in Computer Science; GPA: 3.6 — *Aug. 2016 – May 2020*
Dean's List Fall 2016 - Spring 2017
Roger L. Von Amelunxen Scholar

EXPERIENCE

Avnet — Phoenix, AZ
Machine Learning Intern — *May 2017 - Sept 2017*
- Built a predictive model using boosted decision trees to detect business migration with 98% accuracy
- Proposed said model which reduces the number of staff working on this task from 14 to 1, saving an estimated $500,000 in labor cost
- Used Levenshtein Distance and other string comparison functions in Python to find similarities in customer and part number data across multiple datasets to be used as features
- Began expanding functionality of predictive model by adding another layer for multi-classification among the detected business migration
- Used Facebook Prophet to develop forecasts with seasonality for inventory and billing data

Arizona State University — Tempe, AZ
Student Research Assistant — *Jan 2017 - May 2017*
- Conducted data collection for business analysts to report on
- Cleaned and standardized confidential student and alumni data
- Communicated with students daily and held accountability for students privacy

PROJECTS

Twitter Stock Research — Personal, 2017
Python
- Used Twitter API to query publicly traded companies for sentiment analysis on tweets
- Performed Pearson Correlation on sentiment analysis of tweets with change in stock price

Killum Pest Control — Personal, 2017
Python, Javascript
- Built modern website for a friends pest control business
- Created the backend with Flask which utilizes the Gmail API to email owner when a user submits contact form

Amazon Echo Mortal Kombat — Southwest Hacks, 2017
Python
- Used Flask-Ask to create a two-person, turn-based, fighter game using Amazon Alexa voice commands in team-oriented environment
- Built and hosted Alexa Skill on AWS
- Gained experience working with APIs and introduced NLP topics

EXTRACURRICULAR

- **E2 Camp Counselor**: Mentored incoming freshman on strategies for succeeding in engineering in addition to engaging campers in communication, team building, and engineering practices.
- **Software Developer Association, Member**: Attended SoDA meetings, networked with attendees, and learned about the latest technologies with industry leaders.

PROGRAMMING SKILLS

- **Languages**: Python, Javascript, C++, SQL, Java, HTML/CSS
- **Technologies**: Apache Spark, Microsoft Azure, Jupyter Notebook, Git