

Seth Brunwasser

Email : sbrunwasser1998@gmail.com

Mobile : (480)-276-2504

<http://sethbrunwasser.me>

github.com/sethbrunwasser

[LinkedIn.com/in/sethbrunwasser](https://www.linkedin.com/in/sethbrunwasser)

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
 - Utilized Python Multiprocessing to spread computation load across 4 cores, reducing computation time by 300%
 - Began expanding functionality of predictive model by adding multi-classification to detect business migration by region
 - 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

PrivaCV

Personal, 2018

- Python
 - PrivaCV is a security application that turns off the computer display when an unauthorized user is in view
 - Used Haar Cascade to detect and identify faces in webcam using OpenCV

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

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

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	C++	JavaScript	SQL	Java	HTML	CSS
Technologies:	Apache Spark	Microsoft Azure	Linux	OpenCV	Scikit-Learn	Jupyter Notebook	Git