

SETH BRUNWASSER

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Education

Arizona State University, Tempe, AZ

Bachelor of Science, Computer Science (Software Engineering)

Dean's List Fall 2016-Spring 2017

Roger L. Von Amelunxen Scholar

May 2020

3.7/4.0

Employment

Machine Learning Intern, Avnet, Phoenix, AZ

May 2017 - September 2017

- Built a predictive model using Boosted Decision-Tree to detect business migration with 98% accuracy
- Proposed said model which results in reducing staff from 14 to 1, saving \$500,000 in labor costs
- Used string matching functions in Python to find similarities in customer and part number data across multiple data sets to be used as features
- Began expanding functionality of the predictive model by adding another model for multi-classification among the detected business migration
- Used Facebook Prophet to develop accurate forecasts with seasonality for inventory and billing data

Student Research Assistant, Arizona State University, Tempe, AZ

January 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

Technical Projects

Killum Pest Control (Python, Javascript)

Personal Project - 2017

- Built a modern website for a friend's pest control business
- Created the backend with Flask which utilizes the Gmail API to email owner when a user submits a contact form

Amazon Echo Mortal Kombat (Python)

Southwest Hacks - 2017

- Used Flask-Ask to create a two-person, turn-based, fighter game using Alexa's voice commands in a team-oriented environment
- Built and hosted Alexa Skill on AWS
- Gained experience working with APIs and introduced NLP topics

Google Maps Scraper (Python)

Personal Project - 2016

- Created a web scraper that scrapes Google Maps given a search term to return business names and corresponding phone numbers to be saved it in a CSV file
- Used packages including BeautifulSoup and Pandas

Skills

Languages: Python, Java, Javascript, C/C++, Assembly, Scheme, Prolog, HTML/CSS

Tools/Technologies: Microsoft Azure, Jupyter Notebook, GitHub, PyCharm, Eclipse

Extracurricular

E2 Camp Counselor

July 2017

- Mentored incoming freshman on strategies for succeeding in engineering
- Engaged campers in communication, team building, and engineering practices

Software Developer Association, Member

2016 - Current

- Attended SoDA meetings and networked with attendees
- Learned about the latest technologies with industry leaders