

# Howard Hamburger

Data Scientist

## Personal Info

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## Skills



Data Science Intern with 2 years experience with data mining, machine learning, data visualization, and large scale storage projects leading to the completion of a project that involved data mining of economic data, MapReduce, regular expressions and information extraction from Tweets using the UNIX command line in Spark and SQL features in Anaconda 3 Python all within an 8 week period.

## Experience

2018-03 - 2018-05	<div><b>Data Analysis</b> <i>Lewis University</i><ul style="list-style-type: none"><li>Project involving regular expressions, MapReduce using Spark HDFS, NLP, and SQL queries in Anaconda 3 Python of Tweets</li><li>Created database of keywords from tweets and performed Sentiment Analysis on them</li><li>Analyzed results for visualization purposes into pie charts and grouped charts into four different categories to see how Leading Economic Indicators relate to the specific tweets.</li></ul></div>
2004-04 - 2015-12	<div><b>Analytical Audiologist</b> <i>Hear MD/Sharp Hearing/Audiology Consultants of Southern California</i><ul style="list-style-type: none"><li>Created thousands of linear regressions using an audiometer to classify residual hearing from hearing loss.</li><li>Used Tensorflow-like evaluations with real ear measurements to match the acoustics of a patient's ear canal to the target of the frequency response of the hearing aid using statistical functions from the manufacturer of the hearing aid.</li><li>Used Otoacoustic emission signals to data mine for specific frequencies of possible hearing loss in the cochlea of patients.</li></ul></div>

## Education

2016-08 - 2018-07	<div><b>M.S. Data Science, Lewis University</b><ul style="list-style-type: none"><li>Excelled in Machine Learning and Data Science Coursework</li><li>Completed Master's Thesis using President Trump's tweets and how the relate to Leading Economic Indicators using regular expressions, MapReduce, Sentiment Analysis, and SQL in Anaconda 3 Python.</li><li>Completed all 12 courses in Data Science including Data Mining, Machine Learning, Statistical Programming, Data Visualization , Large Scale Storage, Distributed Computing Systems, Semantic Web, and Cyber Security.</li></ul></div>
2012-06 - 2014-09	<div><b>Au.D. Audiology, A.T. Still University</b><p>Gained practical skills for clinical use in the field of Audiology GPA 4.0</p></div>
1997-06 - 2000-05	<div><b>M.S. Communication Disorders, California State University Northridge</b><p>Major course work in Speech and Hearing Science, Advanced Audiology and Hearing Pathologies 375 clock hours completed in Audiology experience.</p></div>
1993-02 - 1996-12	<div><b>B.S. Cell and Molecular Biology, California State University Northridge</b></div>
1985-09 - 1990-11	<div><b>B.S. Computer Science, California State Polytechnic University Pomona</b></div>