

ALEXANDER BENNETT

zanderwhiteleybennett@gmail.com | (801) 707-2901 | [linkedin.com/in/xander-bennett/](https://www.linkedin.com/in/xander-bennett/)
github.com/xander-bennett | xander-bennett.com

DATA SCIENTIST

Data science fellow specializing in the use of SQL-based databases and a variety of programming languages to create data-driven elements to Web-based and mobile applications. Extensive background in gathering and analyzing large data sets, identifying trends and opportunities to improve software performance and productivity. Skilled in the full data science tech stack, including ETL pipelines and visualizing predictive outputs. Well-versed in Agile methodologies and Git workflow. Language skills that include conversational proficiency in Spanish. **Core competencies include:** Machine Learning, Data Engineering, Predictive Modeling, Unit Testing, Statistics, Database Design, Deep Learning, Exploratory Data Analysis (EDA), Feature Engineering, Software Development

TECHNICAL PROFICIENCIES

Python (pandas, numpy, seaborn, scikit-learn and matplotlib), clustering, dimensionality reduction, PostgreSQL, AWS, Apache Spark, Flask, ETL pipelines, Natural Language Processing (NLP), Recommendation Systems, Tree ensembles, neural networks, gradient boosting, ensemble methods.

NOTABLE PROJECTS

SOUND DRIP – sound-drip.com (03/2020)

- Built a production-level KNN machine learning model on a manually-aggregated dataset of over 700,000 individual songs for an application that uses Spotify to curate song lists that match musical tastes. Tested other supervised and unsupervised learning methods to improve performance, including XGBoost. Launched back-end database to track and store user data and song recommendations.

AIRBNB OPTIMAL PRICING – airbnb-optimizedpricing.now.sh (11/2019)

- Developed a random forest machine learning model to make supervised predictions on AirBnB data, launching product model to flask and integrating applications with back-end developers to feed recommendations to the database.

COPSTOP PREDICTIONS – [Medium Article](#) (09/2019)

- Accessed City of San Diego's data portal and reviews every recorded instance of an officer pulling someone over from July 2018 to July 2019, using machine learning to predict whether someone would get a ticket or not. Optimized performance through feature engineering, as well as explored and visualized data. Built random forest-based supervised machine learning model.

PROFESSIONAL EXPERIENCE

Lambda School | San Diego, CA

08/2019 to Present

DATA SCIENCE FELLOW/DATA SCIENCE TEAM LEAD

- Began as a fellow and subsequently was selected as a team lead in October 2019.
- As part of nine-month mastery-based intensive full-stack data science program, completed over 2,500 hours of programming in Python, Keras, TensorFlow, SQL, Scala and Apache Spark.
- Served as a teaching assistant for a team of over 30 data science candidates in subject areas that included data analysis, machine learning and data engineering.
- Mentored candidates on machine learning projects, providing one-on-one feedback and code reviews.

Addepar | Salt Lake City, UT**08/2018 to 08/2019****DATA ANALYST**

- Conducted raw data analysis gathered received from custodial accounts to ensure accuracy and consistency, meeting daily reconciliation standards, including EOD pricing and data for over 300 firms and their client accounts worth over \$1 trillion.
- Verified portfolio account data to maintain integrity and availability within SLAs
- Used Java to investigate and troubleshoot data pipeline and complex custodial feed issues, coordinating issues with Engineering Support.
- Improved data quality and operational workflow efficiency through the design, testing and implementation of new processes and tooling features, in conjunction with to Product, Engineering, Client Support and other teams.

Deseret Mutual Benefit Administrators | Salt Lake City, UT**01/2017 to 07/2018****INVESTMENT ANALYST**

- Analyzed corporate debt instruments for a \$4 billion fixed income portfolio, recommending current and prospective investment holdings with industry analytics tools, including Bloomberg.

Standard Life and Casualty Insurance | Salt Lake City, UT**11/2016 to 05/2018****CLAIMS OFFICER**

- Conducted depth of coverage analysis on home health care life insurance policies valued at \$14 million.
- Investigated contestable claims for fraudulent activity.
- Maintained proprietary database on claim reimbursement policy and procedure.

Utah Higher Education Assistance Authority | Salt Lake City, UT**03/2015 to 06/2016****CALL CENTER TEAM LEAD/ WORKFORCE ANALYST**

- Launched and managed \$250,000 private loans portfolio, building data analytics report that outlined daily, weekly and quarterly metrics.
- Delivered training to a team of 14 agents.
- Executed dialing campaigns for targeted delinquency demographics.

VOLUNTEERING

The Church of Jesus Christ of Latter-day Saints | Puebla, Mexico**12/2012 to 12/2014****VOLUNTEER REPRESENTATIVE**

- Coordinated 70-hour work weeks and marketing initiatives for 20 volunteers in Spanish

EDUCATION AND TRAINING

FELLOWSHIP, DATA SCIENCE/MACHINE LEARNING (2020) – Lambda School**BACHELOR OF SCIENCE, FINANCE (2018) – University of Utah, David Eccles School of Business**