**John A Baker Jr.**

**Data Scientist | Machine Learning Engineer**

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# TECHNICAL SKILLS

**Development:** Python (NumPy, Pandas, Scikit-learn), SQL, Tableau, PyTorch, Keras, Spark, Flask, Plotly Dash, Heroku

**Data Science:** TensorFlow, Matplotlib, Data Analysis/Cleaning, Predictive Analytics, Machine Learning, Neural Networks

**Expertise:** Project Management, Business Development, Technical Sales, Real Estate, Digital Marketing, Data Collection

# PROJECTS

**Plotly/Dash app,** *Life Expectancy Animation (1952-2007) - Data Scientist/Programmer*, [Heroku](https://data-science2021-2.herokuapp.com/) 2021

**Plotly/Dash app,** *Life Expectancy SunBurst (2007) - Data Scientist/Programmer,* [Heroku](https://data-science2021-3.herokuapp.com/) 2021

* Researched the life expectancy data from Kaggle to understand and predict how different features affect longevity.
* Decided on which animation features could be used to produce a fully interactive visualization of the data analysis. ● Built scatter plot apps using Plotly Dash to allow users to see how GDP correlates with life expectancy long-term.

**Custom Tableau Project,** *Fully Interactive Business Dashboard - Data Scientist/Programmer*, [Tableau Public](https://public.tableau.com/app/profile/john.baker8180/viz/CustomTableauProject/Dashboard1) 2021 ● Researched the stock data that is associated with Tableau to evaluate and understand data for implementation.

* Decided appropriate resource and tool to use to create a fully functional site that displayed results found.
* Built a dashboard that shows total sales for each region, total profit, total orders, daily sales, and much more.

# EXPERIENCE

**Underdog Devs,** *Remote - Machine Learning Engineer,* [*Underdogdevs*](https://www.underdogdevs.org/)2022 - 2022

* Worked in a team environment to make foundational decisions about the development of the product.
* Built real software for a real cause organization, using Trello and GitHub to track all product development.
* Gained experience in database, machine learning, and visualizations as a collaborative exercise, where team members contributed their skills, experience, and time to collectively create a product.

**Combat Realty,** *Chula Vista, CA - Broker/Owner* 2013 - 2020

* Used the proprietary information of the company to analyze and collect customer data to increase business.
* Performed data integrity on all customers accounts and ensured the data was safe and secure at all times.
* Trained, and coached a team of 9 to 12 on how to properly store data and stay compliant without data breach.
* Marketed the residential real estate business via digital/social campaigns, lead generation, and cold calling.
* Performed payroll duties weekly for sales associates and salaried employees and corrected any discrepancies.

**Prudential California Realty,** *Chula Vista, CA* **-** *Salesperson* 2009 - 2013

* Collected customer data and accurately wrote real estate contracts for sales and leases.
* Fostered a positive work environment with 3 owners, 40+ coworkers, brokers, and salespeople with no complaints.
* Performed more than 100-300 cold calls per day and understood the customers housing needs to make the sales.

# EDUCATION

**BloomTech (Lambda School),** *Data Science* 2021 - 2022

● Immersive curriculum focused on predictive modeling, data engineering, machine learning, and computer science.

**San Diego City College,** *Real Estate* 2009 - 2009