

Winston Arthur Robson

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EXPERIENCE

Galvanize, Inc.

San Francisco, California

Data Science Instructor

September 2019 – Present

- Data Science Fundamentals: Intro to Python (24 hour) course
 - Lectured and guided (~10) students on Environment Setup, DS Workflow, Ins & Outs of Coding Pythonically, Object Oriented Programming, and Popular Data Science Libraries (Matplotlib, Pandas, Numpy, Sklearn)
- Accelerated Intro to Statistics (6 hour) course
 - Prepared (~30) students for Data Science Immersive course; covered Probability, Probability distributions, Bayesian and frequentist paradigms, Random variables, Statistical inference, Regression, Classification, Evaluation metrics
- Lead Intro to Python for Data Science, Python + Machine Learning Models, and other workshops

RAPIDS AI Contributor

May 2019 – Present

- Open source GPU data science suite headed by NVIDIA
- Helped “mainstream” [notebooks-contrib](#) repo
 - Implemented CONTRIBUTING.md standards and took ownership of [colab_notebooks](#) folder
 - Wrote product and “how to” articles
 - [What is RAPIDS AI?](#), [Beginner’s Guide to Linear Regression in Python with cuML](#) and [What is BlazingSQL?](#)
- Developed demos & curriculum for learning RAPIDS
 - Linear Regression Boston Demo ([PR](#))
 - Zillow Zestimate Tutorial based on Kaggle Competition ([PR](#))

Berkshire Hathaway HomeServices Drysdale Properties

Pleasanton, California

REALTOR®

June 2018 – June 2019

- Residential real estate transactions in San Francisco Bay Area with focus in East Bay / Tri-Valley
- Writings: [Regarding Real Estate](#) (Medium Publication); [Offsite, the Vanguard of Construction](#) (Real Estate Tech)

DEVELOPMENT

Future Vision

San Francisco, California

Sr. Editor; Community Admin

May 2019 – Present

- Online publication focused on providing platform for tomorrow’s thought leaders ([Homepage](#))
- 90-day stats: 126,007 Visits from average 1,149 Unique Daily Visitors; organic 0 to 702 Twitter followers (+7.8/day)

Sample Personal Writings (Medium Curators’ selection or category)

- [LinkedOut — Automate LinkedIn](#) (Programming)
- [Data Driven Lending in the Age of AI](#) (Fintech, Interview)
- [The Math of Prophet](#) (Data Science, Machine Learning)
- [Operation Dark Divide \(Call of Duty®\)](#) (Gaming)

WARrisk Consultancy

Arkansas; California

Founder and Director

January 2018 – Present

- Dropout Analytics: free “computer science” education source — current playlist: [Intro to Python - 0 installs required](#)
- the Lifr Podcast: [Interviewed](#) esteemed and accomplished guests on their habits and approach to life
- Lifr Basics & Gameplay: Produced [video lessons](#) on basics of Arabic, French, Russian; streamed to [Twitch](#) and [Instagram](#)

EDUCATION

Galvanize, Inc.

San Francisco, California

Data Science Immersive

January 2019 – April 2019

- 700+ hour program covering data mining and wrangling, ML statistics and algorithms, SQL, and big data tech like AWS and Spark
 - Solidified industry best practices (e.g. Pair Programming, Scrum, Agile Workflow, Git) through daily implementation
- Quantitative Population Prediction by Place ([repo](#); [one pager](#))
Capstone project; forecast population change of a given town/city (Place), with consideration for missing data and shifts in trend
 - Focus on ETL of Decennial and ACS data > time series datasets for Prophet (decomposable, additive) model
 - Model performed slightly better than Baseline (continued rate of change) w/ 1.826% - 1.993% average MAPE
 - Business use: identify high-growth areas; long-term investment & development; combination with qualitative data
- Event Fraud Detection Case Study ([repo](#); [slides](#))
 - Real-time fraud detection web app (AWS EC2) with Gradient Boosting model, MongoDB, and Flask
 - Business use: retain and build user trust; reliably detect fraudulent events (risk catch rates: hi(78%), med(99%))

Data Science Skills

- Tools
 - Python, Jupyter, Flask, Git, Linux, Docker, fbProphet, cuDF, Pandas, cuML, Scikit-Learn, Selenium 2.0, SQL, MongoDB
- Analysis
 - A/B Testing, Frequentist & Bayesian Statistics, ROC & Profit Curves, Logistic Regression, Linear Regression, Time-Series, KNN, Dimensionality Reduction, NLP, Neural Networks, Recommendation Systems, Decision Trees (RF, Boosting, Ada)

Licenses

California Notary Public (CA #2256408)

California Real Estate Salesperson (DRE #02060734)

Interests

Business, MMA, People, Responsibility, Twitch/YouTube

Skills

Adaptation, Being Happy, Finding Value, Listening, SEO/SEM