

MARIAM JOAN | DATA SPECIALIST

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EXPERIENCE

NETFLIX, Hollywood, CA (Public), Data Specialist, Contract

10/01/2018 to Present

I work in Content Knowledge Graph on the Data Engineering team in the following capacity:

- Complex SQL Queries: joins, partitions, CTEs in Presto, scheduled weekly job audits to show trends and stay active on any data incongruence.
- Data Analysis: Ad hoc reports in Jupyter Notebook using Spark, SQL queries with Python, Pandas to report on data consistency which is communicated to data scientists, stakeholders and partners, to help meet their goals of more accurate training models.
- Entity Resolution: Involved in projects to help matching and ML efforts, gathering external data for training sets, and in development to build a pipeline in PySpark

RECURPAL, San Francisco, CA (Private/Startup), Full Stack Developer

06/01/2018 to 10/1/2018

I worked on the following projects:

- Increase Security: VPC with 2 private subnets for client server and cluster database servers, using a NAT gateway in AWS.
- UI/UX: Financial dashboard which receives Plaid API data from user transactions grouped by subscription and sent to client as visual chart using Vue-Chart.js, and ElementUI showing totals/percentages.
- Authentication: Google OAuth sign-in flow with Vue.
- Production Server Setup: MongoDB cluster for production using scripts and AWS CLI to migrate data onto Linux RedHat machines.

SAGE PUBLISHING, Thousand Oaks, CA (Private), College Sales

12/17/2015 to 06/01/2018

I worked with professors from over 300+ colleges and universities such as, Johns Hopkins University to discuss their publishing their research as an author, and curriculum planning, textbook adoptions and developing courses within discipline categories of psychology, sociology, research methods, political science, business, management, communication, criminal justice, homeland security, and human services.

- 134% yearly 2017 YoY, \$2.5M, Sales Achiever Award 2016 & 2017, Leadership Council 2018
- 102% yearly 2016 YoY, \$1.5M, grew territory 4%, Q4 sales increased 7%,
- Exceeding 400+ cold and follow-up calls weekly, earning top annual recognition for call volume

EDUCATION

University of Saint Mary, Leavenworth, KS – MBA, GPA 4.0
Berklee College of Music, Boston, MA – BA, Business Management

PROJECTS

[Udacity Project 3 / Project 5](#)

Submitted assigned projects for Data Analyst Nanodegree, includes A/B testing, Bootstrapping, Log Reg, Seaborn, Matplotlib visualizations

[Udacity Project 1 / Project 2](#)

Submitted assigned projects for Data Structures and Algorithms Nanodegree, includes Huffman Coding, LRU Cache and a Trie HTTP Router.

[NASA Mars Insight API](#)

Sole developer: Python, Flask, Twilio: Web RESTful API app to view NASA Mars Insight API raw images - built from scratch

[WebVR](#)

Co-developer, social network VR web app using: HTML/CSS, JS, MongoDB, React, React-Router, Express, Node, Axios, A-Frame, Mongoose
Social networking web app allowing users to enter a VR world based on their hobbies and interests. I setup A-Frame VR components, MongoDB schema, CRUD ops Express/Node, UI React

[Physical Web Museum, Google, Art Exhibit](#)

Co-developer: HTML/CSS, JS, Handlebars, Express, Node, MySQL, Passport: Beacon enabled web app, enabling users passing by artwork to receive URL notifications on their mobile device about the art. I provisioned Google Beacon dashboard, MySQL, CRUD, Passport, UI

[Events App](#)

Sole developer: React, Redux Thunk, Firestore, Firebase: Schedule events with your business partners. React/Redux UI with Firebase/Firestore backend for chats, photo upload, added Google Maps, and authenticated Google login, currently still in development adding more features.

CERTIFICATION, SKILLS & ACTIVITIES

- SQL, Python, Pandas, Numpy, Data Visualization/Cleaning/Manipulation, Git, APIs, Linux, JS, Node, computer science fundamentals
- **Udacity, Data Analyst and Data Structures and Algorithms w/ Python– Nanodegree(s), 2019**
- **University of California, Los Angeles, CA – UCLA Extension, Full Stack Developer Certificate, 2018**