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SUMMARY

Software Engineer seeking full-time position. Skilled with various **Data Engineering** and **Data Science** tools and equipped with PM-oriented teamwork skills. I designed and implemented multiple data **ETL** tools and scripts, trained ML models, collected and analyzed BI and UI insights and architected different solutions on **AWS**.

TECHNICAL SKILLS

Programing

Advanced SQL, Python & Pandas
Intermediate Java, R, C++, git, Javascript

Software Engineering

Cloud Computing (AWS), RESTful APIs, OOP, Docker, Agile(Scrum)

Data Science & Data Engineering

TensorFlow, Kares, H2O, Extract, Transform Load (ETL), EDR Design, Hive, Spark, MongoDB, Tableau, Excel (Advanced), Image Classification, NLP

EDUCATION

Claremont McKenna College,
Claremont, CA

May 2021

Bachelor of Arts, Computer Science

- **Relevant Coursework:** Data Structures, Algorithms, Software Development, Neural Networks, Machine Learning with Neural Signal, Probability, Statistics

OTHER EXPERIENCE

Harvey Mudd College

Jan 2020 - Present

Neural Networks Teacher Assistant

Murty Sunak Quantitative and

Computing Lab Aug 2019 - Present

Math and Computer Science Tutor

EXPERIENCE

Apple Inc., Cupertino, CA

Feb 2020 – Aug 2020

API Product Management Intern

- Wrote SQL queries (**Hive, Spark, Oracle** and **Presto**) and **Python** scripts (**Pandas**) to create an extensive investigation of user interactions patterns and drive BI insights
- Reduced the number of reported production bugs by analyzing API calls logs using complex **SQL** and **Python** scripts then communicating to engineering teams a detailed description of the issues
- Investigated and proposed a solution for bottleneck in batch and real-time data pipelines ingestion SLA that prevents timely processing of clients' data
- Led **data quality assurance** for SQL queries that run automatically to generate user-interfacing BI reports
- Documented API endpoints and updated API specification using internal CMS
- Coordinated between core engineering team, E2E quality assurance, marketing and sales teams to deploy and launch a new backend feature

Claremont Graduate University, Claremont, CA

Feb 2019 – Dec 2019

Data Analyst Fellow

- Built an **AWS infrastructure** to connect **Ruby and Rails** API to multiple data sources via **AWS S3, Athena**, and **Glue Catalogs**
- Designed and implemented end-to-end data extract, transform and load pipeline to ingest survey and event datasets from disparate data sources
- Designed and populated **SQL database** from scratch allow easy ingestion of structured data by SQL client
- **Featured-engineered** and created ML-trainable dataset by developing data ETL and cleaning scripts for +10M data-points from disparate data sources
- Increased variance explained in the data using PCA by cleaning event and survey datasets using automated **ELT** pipeline

PROJECTS

Clinic Program at Galaxy Semiconductor Intelligence

- Architected cloud deployment for an Angular application with SQL database using **Docker, Terraform, AWS ECR, EC2, S3, Athena**, and **Glue Catalogs**
- Improved faulty silicon wafers detection by converting relational data into images and then using DBSCAN and a **neural network** and **Fast Fourier transform** (FFT)

OOP Programing using Python, C++, Swift and Java

- Developed **Swift App** frontend and linked the backend to Spotify iOS SDK
- Created a **containerized application** in Streamlit and implemented the backend of Connect 4 game in Python OOP
- Implemented efficient spell checker using hash tables in C++ OOP
- Designed and implemented a GUI for a game in Java OOP

LSTM, RNN and CNN using Tensorflow

- Built various types of neural networks using TF, Kares, and H2O to perform image classification, sentiment analysis and time series forecasting