Mohamed **Emish**

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SUMMARY

Full-stack software Engineer seeking full-time positions. Experienced with web applications development and deployment, and equipped with PM-oriented teamwork skills. I created end-to-end web applications (frontend, API, and database) and developed data pipelines from scratch. Skilled with data engineering tools and cloud architecture.

TECHNICAL SKILLS

Programing
Advanced (+4 years): SQL, Python, Web development
Intermediate (1-3 years): Javascript, Java, R, C++, Ruby, Git, Splunk

Software Engineering
AWS stack (ECR, EC2, S3, Athena, Glue, Lambda)**,** RESTful APIs**,** Ruby and Rails, Flask, NodeJS, Frontend, React JS, Angular, Shell (Linux), CI/CD, npm, Docker, Agile (Scrum), Unit testing

Data Science & Data Engineering
Extract, Transform & Load (ETL), Pandas**,** TensorFlow, Kares, H2O, EDR Design, Hive, Spark, Presto, MongoDB, Tableau, Excel, Image Classification

EDUCATION

Claremont McKenna College, Claremont, CA
May 2021
Bachelor of Arts, Computer Science (major offered through Harvey Mudd College)
Relevant Coursework
Data Structures, Algorithms, Software Development, Programming Languages, Artificial Intelligence, Neural Networks, Machine Learning with Neural Signal, Probability, Statistics

EXPERIENCE

Galaxy Semiconductor Intelligence (Remote)   **Sep 2020 - Present**
Software Developer
- Led the design and implementation of a **server-less application** to reduce runtime and cost using **AWS Fargate** and **Lambda**
- Developed machine learning models that improved faulty silicon wafers detection (classification) using **DBSCAN, neural network** and **Fast Fourier transform** (FFT)

Apple Inc., Cupertino, CA   **Feb 2020 – Aug 2020**
API Product Management Intern
- Utilized data in reducing the number of reported production bugs by analyzing API calls logs and communicating them to engineering teams
- Led an extensive investigation of user metrics, business KPIs, and revenue forecasting using complex SQL queries, Python scripts (**Pandas**), and Tableau
- Led **data quality assurance** for SQL queries that run automatically to generate Search Engine Optimization (**SEO**) reports for mobile advertisers
- Coordinated between engineering, quality assurance, marketing and sales teams to serve mobile ads for a new segment of applications
- Documented Restful API endpoints and updated the API specification

Claremont Graduate University, Claremont, CA   **Feb 2019 – Dec 2019**
Data Analyst Fellow
- Led the design and development of a containerized **React JS** application with **Ruby and Rails API** backend and **PostgreSQL** database to store user data
- Built an **AWS infrastructure** to connect **Ruby and Rails** API to data lake using **Terraform**, **AWS S3**, **Athena**, and **Glue Catalogs**
- Implemented authentication and user profile pages using Containers in **React Hooks**, **HMTL**, **CSS** and **JavaScript**
- Developed data extract, transform and load scripts to unify the datasets and increased variance explained in the data
- **Featured-engineered** a Machine learning trainable dataset by developing data ETL and cleaning scripts for +10M data-points

OTHER EXPERIENCE

Harvey Mudd College, Claremont, CA   **Dec 2020 - Present**
Neural Networks Teacher Assistant

Claremont McKenna College, Claremont, CA   **Aug 2019 - Present**
Math and Computer Science Tutor

SOFTWARE PROJECTS

- MoodMusic: A **Swift/Obj-C** iPhone app
- Connect 4 **Python** App
- LSTM, RNN and CNN using TF