

## Faisal Kalema

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Fully Work Authorized • No Visa Sponsorship Required • Open to Relocation

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### PROFESSIONAL SUMMARY

Data Scientist with 1 year of experience in Python, SQL, and Machine Learning. Seeking opportunity as an intern.

#### Technical Key Skills:

**Languages:** Python  
**Databases:** SQL  
**Software:** Jupyter Notebooks, PowerBI, QGIS  
**Tools:** Pandas, Numpy, Scipy, Matplotlib, TensorFlow, Keras  
**Data Mining:** Machine Learning, Deep learning, Predictive Modeling, Statistical Analysis

### PROJECTS

#### Age, Gender and Ethnicity Detection, [Github](#) 06/2020

- Explored the problem of predicting three attributes related to human face based on a research [article](#) of a Computer Vision group in Zurich.
- Applied Neural Networks for face recognition and feature extraction to detect age, gender and ethnicity.

#### Ames Housing Prices, [Github](#) 04/2020

- Participated in a Kaggle competition aimed at identifying which features are best predictors of housing prices in Ames, Iowa
- Explored the process of Data Cleaning, EDA analysis, Feature Engineering and Machine Learning Modeling to obtain a low Root Mean squared Error.

#### Flood Detection Through Imagery, [Github](#) 05/2020

- Worked in a team of 3 to build a binary classification and object detection model to classify flood and detect the depth of the flood using Neural networks and transfer learning

#### Water Quality Monitoring with Drones, [Youtube](#) 11/2020

- Participated in Hack The Bay & Delta hackathon to make monitoring water quality a reality. Worked along a team of User experience to build a user interface to effectively and intuitively show conditions to inform resource management efforts.
- Incorporated Machine learning to predict water quality based on atmospheric and other factors.

### PROFESSIONAL EXPERIENCE

#### Production Associate 01/2019 — 10/2019

Tesla, Fremont, CA

- Improved production of Tesla Model 3 cars by initiating techniques on a line that improved efficiency and reduced the run time of production.
- Operated robotic system and complex manufacturing equipment on the line.

### EDUCATION

#### Master of Science, Information Technology (Data Analytics) Expected 2022

Middle Georgia State University, Macon, GA

#### Bachelor of Science, Econometrics 2017

Cukurova University, Adana, Turkey

Global ranking #847

National ranking #10

### PROFESSIONAL DEVELOPMENT/AFFILIATIONS

- Data Science Immersive, General Assembly, San Francisco, CA 2019
- Applied Data Science Specialization, Coursera 2019
- Data Visualization with Python, Coursera 2019