

ASMAA ALY

16 Turk Street San Francisco, CA 94103 +1(415)-216-7722 asmaa.ali@minerva.kgi.edu

Summary

Senior studying Computer Science and Political Science with 3 years of experience in Python data science stack, data visualization using Power BI, and database management using SQL.

Education

Minerva Schools at KGI

San Francisco, CA

Candidate for Bachelor of Art, Computer Science and Social Science double major.

Expected 2021

- Selected to join an innovative university at 1.9% acceptance rate to live and study in 7 different countries.
- Relevant coursework: Machine Learning, Casual Inference, Statistics, and Computational Modeling.

Maadi STEM School for Girls

Cairo, Egypt

High School Degree

2017

- Ranked the 8th/120; GPA 4.00/4.00.
- Admitted to a selective school for girls with strong academic standing and passion for science.
- Conducted four different research projects to address sustainable development goals in Egypt.

Technical Skills

- Programming: Python (advanced), R (advanced), and Web Development (intermediate).
- Databases: PostgreSQL, MySQL, and Azure SQL.
- Technologies: Bash, Docker, Git, and Linux.
- Statistical Tools: Tableau, Power BI, and Spotfire.
- Python Libraries: Keras, Numpy, OpenCV, Pandas, PyStan, PyTorch, SciPy, Sklearn, NetworkX, and Tensorflow.
- Adobe Creative Suite: Adobe Photoshop, Adobe Illustrator, and Adobe InDesign.

Experience

Minerva Project

San Francisco, CA

Tech Support Intern

Sep 2018 – present

- Provide immediate technical support for 500+ Minerva online classroom platform global users.
- Research, solve, and follow up with the users' technical difficulties using Intercom and Front.
- Analyzed the platform's bugs and added detailed troubleshooting information to improve the user's experience.

Nokia Software

San Jose, CA

Data Science Intern

May – Sep 2020

- Built an interactive Power BI report for three SharePoint Sites daily views and traffic.
- Redesigned Nokia Global Alliances SharePoint Site resulting in a 40% increase in site views.
- Created an Azure SQL Database with automated data entry saving 10 hours of weekly labor work.
- Developed a prototype for a course recommendation engine for Nokia Learning Store.

Novartis Institute for Biomedical Research

Cambridge, MA

Data Science Intern

June – Aug 2019

- Developed a web application to transcribe handwritten forms using convolutional neural networks.
- Deployed the first beta version of the application for 40+ users in the Clinical Trials Department.
- Communicated my research results to a diverse audience in a campus-wide poster session.

Leadership and Accomplishments

- Won first place in the Intel ISEF competition with a project focusing on using solar collectors and bioenergy to generate electricity at a low cost. (Alexandria, Egypt. 2016)
- Mentor in Women in CS coaching group at Minerva Schools at KGI.

- Rewriting the Code Member