Selman Tabet
Tech Enthusiast

A computer engineering graduate with an extensive portfolio and experience spanning different industries. Focused on IT and business applications with a well-documented history in entrepreneurship and organizational leadership.

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TECHNICAL SKILLS

Software and Hardware Development	Python, C, C#, Java, JavaScript, MATLAB, Verilog, VHDL, Assembly. Using Visual Studio, Unity, Mbed, Anaconda, Keil C51 and Intel Quartus.	**Computer Networks and Communication**	Network Configuration, Modulation Schemes, Digital Signal Processing, Packet Analysis, Cisco Joy, OpenWrt, NAS, IoT.
Windows System Management	System Diagnostic, Task Scheduling/Scripting, Registry Editor, VMs, Command Prompt, PowerShell.	**Media Production**	Adobe Premiere Pro, Adobe Lightroom, Adobe Photoshop, FL Studio, Audacity, Sony Vegas.

WORK EXPERIENCE

Software Engineer
sKora Tech

01/2022 - Present   *Doha, QA*

Works on a data-driven solution for soccer agency for amateur players who lack the access to an agent.

- Scraped player and club information from different websites to gather data.
- Established an API for the frontend developers to use for placing player-specific queries.
- Authored multiple internal technical documents detailing the inner workings of the backend.
- Developed a detailed workflow for the development of the agent's recommendation engine.
- Written in Python 3 using BeautifulSoup, pandas, FastAPI and SQLAlchemy. Deployed on Linode.

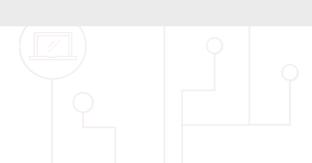*Contact : Adel Saad - adel@skora.tech*

Software Engineer
Qatar Computing Research Institute

05/2019 - 09/2019   *Doha, QA*

- Enhanced the capabilities of Zamanya; an eHealth framework for analyzing time-series of sleep data for the determination of sleep quality using machine learning.
- Streamlined data intake processes by developing code that allows for the processing of new data in real time using the Fitbit API, JSON and Pandas.
- Automated parts of the data processing pipeline to improve efficiency and reduce manual human intervention through bash scripting and process scheduling.
- An early-stage Heroku deployment of a dashboard demo is available on request. 🔗

Contact : Abdelkader Baggag - abaggag@hbku.edu.qa

💼 WORK EXPERIENCE

Synthetic Economy Entrepreneur
Solo Venture

03/2014 - 06/2018   *Internet*

- Specialized in rare items and hard-to-value collectibles.
- Yielded profit margins of up to 95%.
- Transacted a total value of over $425,000 over the course of 4 years.
- Developed a network of over 2200 clients through asset trades.
- Filed over 50 detailed scam incident reports to platform authorities, 45 of which have resulted in convictions.

Head Administrator (EMEA Division)
Alias Server Network (Defunct since January 2019)

04/2016 - 06/2018   *Mansfield (CT), US*

- Ensured 24/7 moderation coverage by the team throughout the Europe, Middle East and Africa (EMEA) timezones in coordination with the North America and Asia divisions.
- Logged over 800 hours of live server moderation.
- Facilitated a healthy and friendly trading environment for all users. Provided free item value appraisals while moderating.
- Organized Community Nights to bring together staff members (and sometimes loyal patrons) for the sake of team-building.
- Prevented a multitude of scam attempts on server and filed reports against violators.
- Resolved a certain intra-organizational scandal by handling damage control and PR efforts.

📐 SELECTED PROJECTS

[Software Development and Cybersecurity] Project HARPY (01/2020 - 12/2020) ☐

- The project implements a monitoring system for the detection and classification of anomalous and rogue IoT devices within a local network.
- Developed efficient data preprocessing algorithms including network packet capture file processors and feature extraction algorithms for machine learning using Cisco Joy, tcpdump, Python, Pandas, IPWhoIs and a bit of bash scripting.

[Software Development and Cryptocurrencies] Cryptocurrency Investment Adviser (10/2017 - Present) ☐

- A program that is meant to be used as a helper for investors when making decisions related to cryptocurrency investments.
- Uses live cryptocurrency trade prices retrieved via the GDAX API to give advice on whether to buy or sell cryptocurrencies.
- Originally written in Python 2. Codebase migration to Python 3 is currently underway - an Alpha prerelease version is available on GitHub.

🎓 EDUCATION

Bachelor's of Science in Computer Engineering
Hamad Bin Khalifa University (HBKU)

05/2021   *Doha, QA*

- Networks, Cybersecurity and Data Visualization @ HBKU
- Electrical Engineering @ Texas A&M University at Qatar
- Computer Science @ Carnegie Mellon University in Qatar
- Business and Startups @ Northwestern University in Qatar

🗨 LANGUAGES

English
Native or Bilingual Proficiency

Arabic
Native or Bilingual Proficiency

Spanish
Professional Working Proficiency

French
Elementary Proficiency