

Noor Alasadi



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Qualifications Summary

- Full-stack data scientist with seven years of experience in finance and twelve years in coding and modeling.
- Senior risk analyst developed end to end risk management solutions for +40 clients in 18 countries worldwide.
- Top competitive programmer in his country (First Place ACM-SCPC 2011, 2013, 2014).
- Native Arabic speaker and can communicate effectively in 5 other languages.
- Good understanding of economic, political, and cultural characteristics and challenges of the MENA region.
- Excellent presentation and time management skills.
- A polymath with +140 certificates/awards and is eager to learn more and have new challenges.

Projects

- **CreditInfoR - Scorecard Development and Report Automation Library**
A fully customizable industry-driven R library for data validation, preprocessing, feature engineering, characteristic analysis, stability analysis, coefficients evaluation, modeling, ensemble learning, scorecard scaling, and performance analysis. It also generates rich xlsx reports and pptx presentations automating and documenting all aspects of the scorecard development process.
- **Automated Machine Learning Model Generation Platform**
The project enables analysts to securely build and deploy highly accurate adaptive machine learning with high levels of automation.
- **Detecting Cyber Extremism via Automatic Lexical Feature Discovery.**
This project applies machine learning, natural language processing, and network analysis techniques to perform automated extremist content detection and potential extremist users identification.
- **Fraud Detection Based on Social Networking Analysis and Keystroke Dynamics.**
This project performs reverse phone lookup to get social data and applies machine learning techniques to find patterns in keystroke dynamics when an applicant writes an application form.
- **Resources Evaluation System Using Weighted P2P Crowdsourcing**
Sociora depends on mass concept and indirect peer evaluation and voting theory to achieve nontraditional scoring.
- **Real-time Pedestrian Detection and Tracking via Adaptive Heterogeneous Classifier and MSK Tracker**
This project presents a method that combines motion and color information to detect and track pedestrians in video sequences.
- **Fluids Laboratory**
Physics engine for real-time Interactive 3D fluids dynamics. The technology uses mesh-free particle-based simulation for compressible and incompressible flows using Smoothed Particle Hydrodynamics (SPH) methods.
- **Holographic Mapping for Parallax Image Visualization**
This project proposes Holographic Mapping, a new method to simulate angle parallax effects on a polygon.
- **Controlling 2-Wheeled Robot Using Fuzzy Logic System to Avoid Moving Obstacles**
The robot consists of 3 ultrasonic sensors on the front, left and right sides. The sensors send 3 values indicating obstacles distances from each side to a Fuzzy Logic system which resends values indicating robot's wheels speed.
- **SurSight**
Designed to help people who suffer from eye problems by applying several tests to detect common vision diseases and help people with these diseases to overcome the difficulties they face in their daily lives. By leveraging the power of mobile phones and image processing technologies, the application can simulate and solve common vision problems.

Experience

Data Scientist

Creditinfo Group (2017-Present)

Creditinfo is a leading service provider for credit information and risk management solutions worldwide.

Responsibilities:

- Design, develop, deploy, and monitor data-driven predictive models, strategies and risk management solutions.
- Monitor and audit the work of other decision analysts and provide training sessions whenever needed.
- Provide analytical results to support strategic decisions and the formulation of such decisions.
- Create technical and non-technical presentation and communicate regularly with clients including banks, credit bureaux, insurance, and non-financial institutions.
- Extrude insight and build models on top of unstructured and nontraditional data sources.
- Troubleshoot problems and provide customer support on application issues.
- Keep informed of cutting-edge techniques in data mining, machine learning, and statistical modeling.

Full Stack Developer & Penetration Tester

Syria International Islamic Bank (2013-2017)

Responsibilities:

- Develop Syria International Islamic Bank official public website and internal communication system.
- Protect Syria International Islamic Bank systems from fraud, internal and external cyberthreats.
- Automation of the bank marketing campaigns and market segmentation and targeting.

Graduate Student Instructor & Research Assistant

Department of Artificial Intelligence (2015-2017)

Courses:

- Data Mining & Knowledge Discovery (5th year, 2nd semester 2015-2016).
- Natural Language Processing (5th year, 1st semester 2016-2017).
- Artificial Intelligence Principles (3rd year, 2nd semester 2015-2016).

Awards, Grants & Honors

Judge 2016 ACM Arab Collegiate Programming Contest.

Judge 2016 ACM Egyptian Collegiate Programming Contest.

Judge 2016 ACM Syrian Collegiate Programming Contest.

Judge 2016 ACM Damascus University Collegiate Programming Contest.

Judge 2016 ACM Tishreen University Collegiate Programming Contest.

Judge 2015 ACM Egyptian Collegiate Programming Contest.

Judge 2015 ACM Higher Institute for Applied Sciences Contest.

Coach 2015 ACM Damascus University Collegiate Programming Contest.

Judge 2015 ACM Tishreen University Collegiate Programming Contest.

Judge 2014 ACM Higher Institute for Applied Sciences Contest.

Judge 2014 ACM Tishreen University Collegiate Programming Contest.

Coach 2014 ACM Damascus University Collegiate Programming Contest.

Judge 2013 ACM Tishreen University Collegiate Programming Contest.

Judge 2012 Damascus University Collegiate Programming Contest.

First Place 2014 ACM Syrian Collegiate Programming Contest.

First Place 2013 ACM Syrian Collegiate Programming Contest.

Third Place 2012 ACM Syrian Collegiate Programming Contest.

First Place 2011 ACM Syrian Collegiate Programming Contest.

Second Place in First National Competition for Mobile Applications (APPDA) Kids Category.

First Place in in Second National Contest for Mobile Applications (APPDA) Health Category.

United Nation World Summit Awards appreciation for developing one of the top 20 mobile applications in the world.

Appreciation letter from the deanery of faculty of science in Damascus university.

Silver Medal 2008 Syrian Olympiad in Informatics

First Place 2007 Damascus Chess Championship

United Nation Scholarship for Higher Education international students (\$20000).

Patents

Sociora: A Community-Driven Differential Information Management System

Filed: 2014-11-02 Patent issuer and number: SY 2014-1379/2 (Application Number)

Skills Summary

Web Technologies

- HTML5
- CSS3 - Less - Sass Compass
- JavaScript ES6+
- NodeJS
- TypeScript
- Angular
- jQuery
- PHP
- Python (Django, Flask)
- Java (Spring)
- SQL
- MongoDB
- Neo4j
- Express
- JSON
- XML
- Ajax
- CodeIgniter
- Website Architecture
- WordPress/Joomla/Drupal
- SEO
- Web Application Security

Mobile Technologies

- Android SDK
- Android NDK
- Mobile Application Security

Cross Platform

- Chrome Extension Development
- Electron
- AIR
- Cordova
- Flutter
- OpenGL

Cloud Services

- Amazon Web Services
- Heroku

Development Tools

- CMD - PowerShell - Bash
- Git
- CI/CD Pipeline
- Jenkins
- NPM - Yarn
- Docker

Academic Specializations

- Machine Learning
- Natural Language Processing
- Data Mining
- Data Structures
- Algorithms
- Information Theory
- Information Retrieval
- Computer Vision
- Cyber Security
- Deep Learning
- Virtual Reality
- Augmented Reality
- Fuzzy logic
- Knowledge Based Systems
- Blockchain Technology

Mathematical Skills

- Number Theory
- Operations Research
- Graph Theory
- Network Analysis
- Game Theory
- Probability and Statistics
- Computational Geometry
- Cryptography

Industry Specializations

- Risk Analysis
- Mathematical Modeling
- Scorecards
- Psychometric Scoring
- Risk Management
- Portfolio Management
- Algorithmic Trading
- Technical Analysis
- Scalping
- Volume Profile Trading
- News Trading
- Signals Trading
- Social Trading
- Fundamental Analysis

Industry Tools

- Instant Decision Model (IDM)
- BRMS
- Decision Engine BEE

Programming Languages

- R
- Python
- C/C++
- Java
- JavaScript
- ActionScript
- B#
- C#
- Prolog
- LISP
- MATLAB

Data Science Libraries

- STL
- OpenCV
- Dplyr
- Ggplot2
- Shiny
- Caret
- NumPy
- SciPy
- Pandas
- Matplotlib
- Seaborn
- Bokeh
- Plotly
- Pydot
- XGBoost
- Scikit-Learn
- TensorFlow
- Keras
- Gensim
- Pattern
- NLTK
- TextBlob
- Weka
- RapidMiner
- Orange
- Beautiful Soup
- Scrapy

IDEs

- RStudio
- PyCharm
- IntelliJ IDEA
- Android Studio
- Eclipse
- NetBeans
- Code Blocks
- Jupiter Notebooks
- JupyterLab
- Visual Studio Code
- Microsoft Visual Studio
- XCode

Collaboration Tools

- Microsoft DevOps
- Microsoft Teams
- Google Suite
- Confluence
- Trello

Adobe Products

- Adobe Acrobat
- Adobe Photoshop
- Adobe Illustrator
- Adobe Dreamweaver
- Adobe Animate
- Adobe After Effects
- Adobe Premiere

Microsoft Products

- Microsoft Office
- Microsoft Flow
- Microsoft Power BI

Interpersonal Skills

- Teaching
- Fast Learning
- Adaptability
- Problem Solving
- Negotiating
- Management

Artistic Skills

- Digital Painting
- Graphic Design
- Video Editing
- Dynamic Presentation

Education

- Damascus University **B.Sc. Information Technology Engineering**, 2010 – 2013.
- Damascus University **Spec Artificial Intelligence and Natural Language Processing**, 2013 – 2015.

Languages

- **Arabic: C2**
Classical Arabic, Modern Standard Arabic, Levantine Arabic, Iraqi Arabic, Egyptian Arabic and Gulf Arabic.
- **English: C1**
Five years of professional working proficiency.
IELTS: 7 Reference Number: 17LB001016ALTN001A
- **Turkish: A2**
A1-1, A1-2, A2-1: Al-Hadara Training Center (2019-2020).
- **German B1**
A1-1, A1-2: ALTC Center (2019).
A2-1, A2-2, B1-1: Iben Sena language institute (2019).
- **French A2-1**
A1-1, A1-2: Secondary school
A2-1: ALTC Center (2017).
- **Russian A1**
A1-1, A1-2: ALTC Center (2018).