Nemat Allah Aloush

Software Engineer

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EDUCATION

ITMO University	**Saint Petersburg, Russia**
Master's degree in Applied Mathematics and Computer Science.	*Graduation Date: July 2023*

- Relevant Courses: Machine Learning, Advanced Natural Language Processing, Data Visualization, Big Data, Multivariate Data Analysis, and Algorithms.

HIAST Institution	**Damascus, Syria**
Bachelor of Science in Software Engineering.	*Graduation Date: September 2020*

- Associated Achievements:
  - Certificate of Achievement: *May 2018*
    25th Place Certificate issued by ACPC (The Arab Collegiate Programming Contest). Participated within a team of three people.
  - Award for Best Advertising Design: *July 2016*
    Award for best advertising design issued by WRO Syria (World Robot Olympiad). Participated within a team of three people.
- Relevant Courses: Machine Learning, Natural Language Processing, Artificial Intelligence, Computer Vision, Information Retrieval, Web Development, Software Development, Object Oriented Programming, Project management, and Financial Accounting and Management.

WORK EXPERIENCE

Syrian Virtual University (SVU)	**Damascus, Syria**
Teacher Assistant	*April 2021 - September 2021*

- Taught basic concepts in algorithm thinking and C# programming language to first-year student at Information Technology Engineering program in online based form.
- Checked and evaluated students' individual final projects.
- Worked with two Professors and three engineers to teach the course.

Syriatel Mobile Telecom	**Damascus, Syria**
Student Internship	*July 2019 - September 2019*

- Developed a Social Network Analysis system as a fourth-year project in my software engineering studies, that served to guide any user with no experience in the SNA to detect communities, find the influencer and perform other tasks on a social network.
- Worked with two academic supervisor and one technical supervisor.
- Developed the system using R language.
- Ranked the first in my academic fourth year, based on the grade of the project and other academic courses.

PROJECT EXPERIENCE

ITMO University	**Saint Petersburg, Russia**
Multivariate Data Analysis Project	*October 2021*

- Analyzed a real-world dataset by analyzing univariate and multivariate random variables, sampling, and forecasting multivariate random variables using Python programming language.

HIAST Institution	**Damascus, Syria**
Semantic Search Engine	*February 2020*

- Developed a semantic search engine in English language to search among news imported from BBC.
- Developed the engine using Java programming language and applying Natural Language Processing, Information Retrieval.

ADDITIONAL

Technical skills: Proficient: Python, C#, C++, Java, SQL. Good: PHP, Java Script, R.

Languages: Arabic (native), English (Proficient), French (Basic), Russian (Basic).

Other Education: Machine Learning with Python online course offered by FreeCodeCamp.   *April 2022.*