M.S. Becerril Domínguez
Óscar Azeem

Curriculum Vitae

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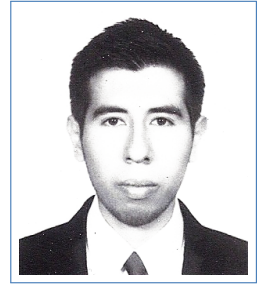
Information

Born	October 22, 1992 (25 years old). Mexico.
LinkedIn	`https://www.linkedin.com/in/oscarazeem/`

Webpage `http://redirac.com`

Professional Experience

Data Scientist and BI developer

Experience as a Business Intelligence (BI) developer at the Bancomer company, using multiple Database Management Systems (DBMS) such as Oracle, Teradata, MySQL; for extraction, transformation, and load of historic/stage tables; processes known as ETL. Such process it's done through the Informatica Power Center BI software. Automation it's done by BASH/KSH scripts and the Python language. Experience as Data Analyst at the AT&T company, applying machine learning algorithms through the Python language using the ScikitLearn and Tensorflow libraries, with the purpose of 3G/4G cells classification by degradation levels; also regression analysis for failure probability in each cell. Develop of an automatic report system using BASH, SQL, Python(Pandas) scripts. Experience as Python/R Machine Learning developer by Master's Thesis by the development of a Network Intrusion Detection System (NIDS) using Machine Learning Algorithms as KNN, Decision Threes, Random Forest, Kernelized Support Vector Machines, Neuronal Networks, all using Python/R, applied to the Knowledge Discovery Database (KDD) with four million of vectors and NSLKDD (a newest version). All the algorithms listed before were applied as a fitness function within the heuristic search algorithms such as Random Mutation Hill Climbing (RMHC), Simulated Annealing (SA), Genetic Algorithms (GA) e Ions Motion Optimization Algorithm (IMO), all with the purpose of selecting relevant features (feature selection) within the 41 columns dataset.

Computational Skills and Agile Software Developments

Languages	Python, R, SQL, BASH, KSH, C, C++, C #, Matlab, ASM, LaTeX
DBMS	Teradata, Oracle, MySQL
BI	Informatica Power Center, Workflow, Designer, Repository, Monitor
Platforms	Unix, Linux, Windows, MAC OSX, Arduino, Cisco IOS
Tools - Libraries	Git, Github, ScikitLearn, Tensorflow, Numpy, Pandas, Matplotlib, Seaborn, Teradata Studio, Oracle Developer, MySQL Workbench, Emacs, Eclipse IDE, Sublime Text, TexStudio, Matlab, Office Suite, Jupyter Notebook.
Agile	Scrum

Work Experience

03/2018-06/2018	**AT&T - Ibérica**, *Jr. Data Analyst*, Triage area. 3G/4G cells quality monitoring.
06/2018-current	**Bancomer - Softtek** , *Business Intelligence developer*, ETL-IPC development.

Education

2016-2018	**M.S. Telecommunications Engineering**, *Instituto Politécnico Nacional*, Sección de Estudios de Posgrado e Invesgigación (SEPI) ESIME, Zacatenco. Master's Degree. Network computer and Machine Learning speciality. Professional licence in progress
2011-2016	**Communications and Electronics Engineering**, *Instituto Politécnico Nacional*, ESIME, Zacatenco. Bachelor's Degree. Computation speciality with professional license

Languages

Twenty levels taken at "Quick Learning" English school. Level B1 endorse by "Centro de Lenguas Extranjeras del Instituto Politécnico Nacional"

		Comprehension		Speaking		Writing
		Listening	Reading	Interaction	Production	
Spanish	Mother tongue	*100%*	*100%*	*100%*	*100%*	*100%*
English	Advanced	*95%*	*100%*	*90%*	*90%*	*95%*

Courses

2018-Softtek	**ETL - Informatica PowerCenter, SCRUM, SQL**.
" -Coursera	**IBM - Data Scientist**.
2017-Udemy	**Python A-Z: Python For Data Science, Bash Programming Course, The Complete Wireshark Course, CCNA 2017 200-125 Video Boot Camp**.

Conferences

2018	**Congreso Nacional de Expo Acustica**, *http://www.expoacustica.ipn.mx/*, Topic: "Reconocimiento de voz utilizando redes neuronales", México. CDMX.
2017	**XVI Congreso Nacional de Ingeniería Electromecánica y de sistemas**, *http://www.sepi.esimez.ipn.mx/cnies/*, Topic: "Algoritmo IMO y SVMs para la elaboración de un sistema de red de detección de intrusos ligero basado en anomalías mediante la base de datos NSL-KDD, México. CDMX.
2016	**Coloquio de Seguridad en Redes de Computadoras**, *Topic: "Sistemas de red de detección de intrusos"*, México. CDMX.
2016	**Congreso Nacional de Expo Acustica**, *http://www.expoacustica.ipn.mx/*, Topic: "Uso de algoritmos de ML en el reconocimiento de voz", México. CDMX.