John Ray Martinez

Data Scientist with 9 years of software engineering experience in Investment Banking, Insurance, and Retail industries. A DXC-Drexel University Scholar.

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WORK EXPERIENCE

Data Scientist
DXC Technology (Applied AI Center of Excellence)
09/2019 - 06/2021   *(2 years) Philadelphia PA, USA*
Achievements/Tasks
- Delivered a Proof of Concept report for Minimum Viable Product requested for AI Project of a client. Developed and deployed predictive models based on historical data that provide future predictions about resolution time interval of service tickets. This effort has received an appreciation given by Digital Transformation Principal for the fast turnaround of the task.
- As a designated machine learning modeler, was able to implement multiple linear regression with Kalman filtering model for projection of COVID19 risk down to an individual employee level. This project has received recognition given by SVP, CTO.

Senior IT Consultant
Safeway Philtech Inc (through IT Manager's Inc)
01/2016 - 09/2019   *(3.5 years) Mandaluyong, Philippines*
Achievements/Tasks
- Worked for Merger Accounting team using Unix and DB2. The project involves analysis, development, maintenance, and stabilization of various accounting applications as a result of the Albertsons and Safeway merger.

Senior Software Engineer
Software International Corporation (M) Sdn Bhd
08/2014 - 12/2015   *(1.5 year) Kuala Lumpur, Malaysia*
Achievements/Tasks
- Lead application developer for the SAP conversion project. Involved in analysis, development and modification of Nan Shan Life Insurance's Loans and Claims System. Assisted and advised team members in solving programming problems.

Senior Software Engineer
J.P. Morgan Chase & Co. (through Seven Seven Softwares Inc)
05/2010 - 07/2014   *(4 years) Pasig, Philippines*
Achievements/Tasks
- Led the KSMU Enhancement project and KSMU RDI Conversion project. Analyzed the UAT and production batch processing project such as automation.

ACHIEVEMENTS AND CERTIFICATES

Published an international paper (2021)
Titled "The Impact of driver distraction and secondary tasks with and without other co-occurring driving behaviors on the level of road traffic crashes" is published in the best journal of 'Human Factors and Ergonomics' according to Scimago Journal Ranking (Accident Analysis and Prevention)

Completion of Specialization Course Applied Data Science with Python (2019)
DOST-PCIEERD Data Science Scholar. This is a 5-course specialization by University of Michigan on Coursera.

Completion of Course Using Databases with Python (2018)
DOST-PCIEERD Data Science Scholar. Coursera Course given by Charles Severance (University of Michigan).

SKILLS AND COMPETENCIES

Skill	Rating
Machine Learning	●●●●●
Data Mining	●●●●○
Data Visualization	●●●●○
Software Engineering	●●●●●
Research	●●●●●

TEACHING EXPERIENCE

Physics Instructor
Physics Department, Central Mindanao University
06/2008 - 05/2009   *(1 year) Maramag Bukidnon, Philippines*
Tasks/Achievements
- Taught Classical Mechanics, Electricity & Magnetism, and Modern Physics to Science and Engineering major students.

Physics Instructor
National Institute of Physics, University of the Philippines - Diliman
06/2007 - 05/2008   *(1 year) Quezon City, Philippines*
Tasks/Achievements
- Taught Thermodynamics, Relativity and Quantum Mechanics to Science and Engineering major students.

EDUCATION

Master of Science in Data Science
Drexel University
09/2019 - 06/2021   *Philadelphia, PA, USA*
Cumulative GPA
- 4.0/4.0
- Capstone Project: "Multimodal Brain Tumor Segmentation using Convolutional Neural Network" which was selected for oral research presentation at the 2021 Drexel Emerging Graduate Scholars Conference

Bachelor of Science in Physics with Specialization in Computer Applications / Bachelor of Secondary Education Major in Mathematics
De La Salle University - Manila
05/2002 - 08/2006   *Taft Manila, Philippines*

PROFICIENCY

Python   R   SQL   Data Cleaning   Cloud Computing

Big Data   PySpark   Statistics   Tableau