

# John Ray Martinez

Data Scientist with 11 years of software engineering experience in various industries, and 2 years of University teaching experience. Recipient of Outstanding Graduate Student Award, Drexel University CCI 2021.



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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

- Developed prototypes and POCs to validate ideas quickly. 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 project.
- Developed a multiple linear regression with Kalman filtering model for projecting COVID19 risk down to an individual employee level. This project helped the employees, facility managers and regional leaders make better decisions around RTW at both the company sites and over 1500 clients sites.

### 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

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

- Recipient of 2021 Outstanding Graduate Student Award, Drexel CCI.
- 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

Statistics

Data Cleaning

MSSQL

DB2

AWS

GCP

Big Data

PySpark

Tableau