

# John Ray Martinez

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



[martinez.jray@gmail.com](mailto:martinez.jray@gmail.com)

+12675961925

Philadelphia, United States of America

[www.jraymartinez.com](http://www.jraymartinez.com)

[linkedin.com/in/johnraymartinez](https://linkedin.com/in/johnraymartinez)

## WORK EXPERIENCE

### Data Scientist

DXC Technology (Applied AI Center of Excellence)

09/2019 - 06/2021

Philadelphia PA, USA

#### Achievements/Tasks

- Delivered a Proof of Concept (POC) report for Minimum Variable Product (MVP) requested for AI Project of a client. This effort has received an appreciation given by Digital Transformation Principal for the fast turnaround of the task.
- As a designated ML modeler, was able to implement multiple linear regression with Kalman filtering model for projection of COVID19 risk right down to an individual employee level for a project. This project has received recognition given by SVP, CTO.

### Senior IT Consultant

IT Manager's Inc (Safeway Philtech Inc)

01/2016 - 09/2019

Mandaluyong, Philippines

#### Achievements/Tasks

- Worked for Merger Accounting team using COBOL/Unix/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 (Nan Shan Life Insurance Co., Ltd.)

08/2014 - 12/2015

Kuala Lumpur, Malaysia

#### Achievements/Tasks

- Led application developer for the SAP conversion project. Involved in analysis, development and modification of Nanshan Life Insurance's Loans and Claims System. Assisted and advised team members in the solution of programming problems.

### Senior Software Engineer

Seven Seven Softwares Inc (J.P. Morgan Chase & Co.)

05/2010 - 07/2014

Pasig, Philippines

#### Achievements/Tasks

- Led the KSMU Enhancement project and KSMU RDI Conversion project. Analyzed the UAT and production batch processing's project such as automation.

## ACHIEVEMENTS AND CERTIFICATES

Published an international paper titled 'The Impact of driver distraction and secondary tasks with and without other co-occurring driving behaviors on the level of road traffic crashes' (2021)

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

Software Engineering



Research



Data Visualization



Data Mining



Machine Learning



## TEACHING EXPERIENCE

### Physics Instructor

Physics Department, Central Mindanao University

06/2008 - 05/2009

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

Quezon City, Philippines

#### Tasks/Achievements

- Taught Thermodynamics, Relativity and Quantum Mechanics to Science and Engineering major students.

## EDUCATION

### Master in Science in Data Science

Drexel University

09/2019 - 06/2021

Philadelphia, PA, USA

#### Cumulative GPA

- 4.00/4.00 (Ongoing)

### Master of Science in Physics

University of the Philippines - Diliman

06/2007 - 10/2009

Diliman Quezon City, Philippines

**Bachelor of Science in Physics with Specialization in Computer Applications / BSE Major in Mathematics**  
De La Salle University - Manila

06/2002 - 08/2006

Taft Manila, Philippines

## INTERESTS

Artificial Intelligence

Data Science

Physics

Programming

Reading