JANUS B. ADVINCULA

Data Scientist / Physicist

Python, Google Colab, R

Summary A fast-learner seeking a challenging role in data science where I can put to use my knowledge and skills in statistics and machine learning to solve challenging problems.

in linkedin.com/in/janusbadvincula   ◯ github.com/mynameisjanus

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📍 Marikina, Philippines

EXPERIENCE

Instructor, *Part-time*
The Study by Enderun

📅 Apr 2019 – Dec 2019   📍 Taguig City, PH

- Teaching physics and mathematics.

Physics Instructor
University of the Philippines (NIP)

📅 1 Aug 2016 – 31 July 2018   📍 Quezon City, PH

- Teaching courses on mechanics, electromagnetism, optics, thermodynamics, special relativity, and quantum physics.
- Teaching laboratory classes on mechanics, electromagnetism and optics.
- Evaluating physics undergraduate thesis as panel member.

Freelance Tutor

📅 10 Feb 2006 – 10 Dec 2013   📍 Mandaluyong City, PH

- Teaching Korean students with focus on Math, Science and English.
- Assisting students in doing their homework and school projects.

PROJECTS

2020 SIIM-ISIC Melanoma Classification
- Built a deep learning model for classifying lesion images as either benign or malignant (*Keras, Tensorflow, Kaggle, TPU*)

Collaborative Filtering via Gaussian Mixture Model
- Built a machine learning model for predicting users' movie ratings using a gaussian mixture model (*Numpy*)

Titanic: Machine Learning from Disaster
- Built a machine learning model for predicting which passengers survived the Titanic shipwreck (*Numpy, Pandas, Kaggle*)

ACHIEVEMENTS

- Graduated at the top 1% of high school class
- DOST-ASTHRDP Scholarship for Master's Degree
- Qualified for the national level competition of the 1999 Philippine Mathematical Olympiad

INTERESTS

- Deep Learning
- Statistical Analysis
- Contemporary Literature
- Theories of Gravity
- Quantum Field Theory

EDUCATION / CERTIFICATIONS

MITx MicroMasters Certificate in Statistics and Data Science
Massachusetts Institute of Technology on edX

📅 Mar 2020

Certificate in Professional Education
University of the East

📅 Oct 2019   📍 Manila, PH

PhD in Physics
University of the Philippines

📅 Unfinished   📍 Quezon City, PH

Master of Science in Physics
University of the Philippines

📅 Jun 2016   📍 Quezon City, PH

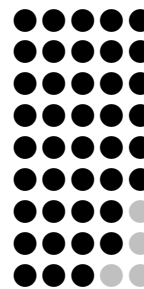### Bachelor of Science in Psychology
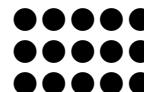**University of the Philippines**

📅 Apr 2010   📍 Quezon City, PH

SKILLS

Skill	Level
Python	●●●●●
Numpy	●●●●●
Matplotlib	●●●●●
TensorFlow	●●●●●
Keras	●●●●●
R	●●●●●
Pandas	●●●●○
SciPy	●●●●○
SQL	●●●○○

LANGUAGES

Language	Level
English	●●●●●
Filipino	●●●●●
Hiligaynon	●●●●●

ORGANIZATION

MIT Alumni Association
Affiliate Member

📅 May 2020 – Present