

## Personal Information

### Email:

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### Contact number:

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### Place of residence:

Malolos, Bulacan

### Linkedin profile:

<https://www.linkedin.com/in/edward-apostol/>

### Personal website and portfolio:

<https://edwardnataniel.github.io/>

## Skills

### Programming

Python  
Java  
C

### Python data science libraries

Pandas  
Numpy  
Matplotlib  
Seaborn  
Scikit-learn

### Data analytics software

R  
PowerBI  
Microsoft Excel

### Other tools

SQL  
Flask  
Selenium (for web scraping)  
BeautifulSoup  
Git  
Bash

### Statistical Data Analysis

Descriptive statistics  
Inferential statistics  
Exploratory data analysis  
Statistical Modeling

### Machine learning

Supervised learning  
Unsupervised learning  
Neural networks  
Model building and evaluation

# Edward Nataniel Apostol

## Work Experience

### Procter & Gamble

*IT Manager*

*Aug 2020 – present*

- Develops the tax reporting solutions of the company for Europe and Africa using SAP S/4HANA for Advanced Compliance Reporting (ACR).
- Created Python scripts and a PowerBI dashboard to preprocess and visualize raw hair care consumer data to gain actionable insights in increasing customer satisfaction and minimizing brand switching.

### Nokia Technology Center Philippines, Inc.

*Research and Development Engineer*

*Mar 2017 – Oct 2018*

- Developed new features and provided application support for a desktop application written in Java and Python.
- Refactored existing codes which improved the running time of the software program by around 50%.
- Acted as a scrum master for 7 months. Facilitated the scrum meetings, implemented process improvements, and removed roadblocks to the sprint goal.

### Infor PSSC, Inc.

*Software Engineer, Associate*

*May 2016 – Mar 2017*

- Developed new features and fixed bugs for the frontend of an enterprise web application.

## Trainings and Internships

### Eskwelabs

*Data Science Fellowship Graduate*

*Jan – Apr 2021*

- Worked in small teams to solve multiple data science case studies such as building a Spotify song recommender system, implementing a big data credit card fraud detection system, and analyzing text data from an online forum.
- Capstone project: Built a regression model that predicts the prices of Airbnb listings in the Philippines to provide property owners with a data-driven pricing strategy. Geospatial features were incorporated into the model to improve its performance.
  - Technologies used: Python, Pandas, GeoPy, GeoPandas, Seaborn, Selenium, Streamlit, XGBoost, and Scikit-learn

### Philippine Genome Center

*Bioinformatics Intern*

*Jun – Jul 2019*

- Worked on a group research project that aims to provide statistical evidence of GC-biased gene conversions in the human genome.
- Created a data collection and preprocessing pipeline using Python, Bash scripts, and bioinformatics tools such as Tabix and BEDTools.

## Education

### Master of Science (Statistics)

*University of the Philippines Diliman*

*Aug 2018 – present*

- Consistent university scholar for three semesters (GWA: 1.23/1.00)
- Electives taken: Statistical Software, Business Analytics, Time Series Analysis, Regression Analysis, and Applied Multivariate Analysis.

### Bachelor of Science in Computer Science

*University of the Philippines Diliman*

*Jun 2010 – Jun 2015*

- Worked on a research project that aims to minimize the flooding vulnerability index of Urdaneta, Pangasinan using a genetic algorithm.