

Edward Nataniel C. Apostol

Diliman, Quezon City | +63 921 598 2476 | edward.nataniel@gmail.com
Linkedin: linkedin.com/in/edward-apostol | Personal Site: edwardnataniel.github.io

Education

MS Statistics, University of the Philippines Diliman

08/2018 – 06/2020

- Consistent university scholar for three semesters (accumulative GWA: 1.14/1.00).
- Nominated for membership in *Phi Kappa Phi International Honor Society* and *Pi Gamma Mu International Honor Society in Social Sciences* for being in the top 10% of the graduating class.
- Recipient of ASTHDP-NSC graduate scholarship of DOST-SEI.
- Relevant courses: Statistical Software, Probability Theory, Parametric Inference, Business Analytics, Applied Regression Analysis, Applied Multivariate Analysis.

BS Computer Science, University of the Philippines Diliman

06/2010 – 06/2015

- University Scholar (2nd sem, A.Y. 2013-2014) and College Scholar (1st sem, A.Y. 2013-2014).
- Undergraduate member of Scientific Computing Laboratory in UP Department of Computer Science.
- Relevant courses: Computer Programming, Data Structures, Algorithm Design and Analysis, Database Systems, Software Engineering, Artificial Intelligence, Data Mining.

Work Experience

Bioinformatics Intern, Philippine Genome Center

06/2019 – 07/2019

- Trained on the basics of Biology, Genomics, and Bioinformatics. Special training topics include version control (Git), Pandas (Python Library), Jupyter Notebook, Docker, and Cloud Computing.
- Bioinformatics research project: *Analysis of GC-biased Gene Conversion Using Haplotype Networks*. Tested the hypothesis that the Gene Conversion events during DNA recombination are biased towards G and C alleles using the sequence data from the 1000 Genome Project.
- Tools and methods used include Python, R, Bash Scripts, Git, Bioinformatics tools (BEDtools, Tabix), and statistical hypothesis testing.

Research & Development Engineer, Nokia Technology Center Philippines, Inc.

03/2017 – 10/2018

- Participated in a one-month C and C++ programming bootcamp.
- Developed new features and maintained a Java desktop application.
- Created product documentations and feature specifications.
- Conducted product-related trainings.
- Served as Scrum Master for six months. Ensured that the team followed agile principles and practices, spearheaded process improvements, facilitated planning and scheduling of tasks, and resolves the impediments encountered by the team.

Software Engineer, Associate, Infor PSSC, Inc.

05/2016 – 03/2017

- Implemented new features and fixed bugs and for an enterprise web application using front-end web development tools.
- Developed a feature that updates the report timestamps based on the time zone of the user.

Associate Software Engineer, Accenture, Inc.

08/2015 – 05/2016

- Participated in a two-month Java boot,camp. Trained on the basics of the Object-oriented paradigm, Core Java, JDBC API, Unit Testing (JUnit), Web-based Programming (Servlets, JSP etc.), and Java EE. Served as the team leader for Java boot camp final project.
- Project member, Robotic Process Automation (RPA). Automated a process for a client using Fusion (RPA Tool) and JavaScript. Assisted in organizing the monthly town halls of the project.
- Performed administrative tasks in Center Bench such as creating attendance reports, updating seats and assets inventory, revising report templates, and organizing orientation sessions.

- Developed an android and IOS mobile application for university admissions office using Appcelerator Titanium.

Skills and Interests

Skills

Programming Languages:	Java, C/C++, Python
Statistical Software:	R, SAS
Web Development Tools:	HTML, JavaScript, CSS, SQL
Other Tools:	Bash scripting, LaTeX, Git, Eclipse IDE, JUnit
Statistical Analysis:	Descriptive and Inferential Statistics, Data Mining, Supervised and Unsupervised Machine Learning, Regression Analysis, Multivariate Analysis, and Sampling Techniques
Other Skills:	Agile Software Development, Digital Photography

Publications

- *V.P. Bongolan, O. Terranova, E.N. Apostol, J.K. Cruz. **Scenario and Sensitivity Analysis for Flooding Vulnerability using Genetic Algorithms. 2015.** Proceedings of the Asia Oceania Geosciences Society 12th Annual Meeting, 2-7 August 2015, Singapore.*

Other Information

- Have taken twelve units of Technology Management graduate courses at the UP Technology Management Center.
- Vice President for Membership and Recruitment, UP Circle of Engineering Students (04/2014 – 05/2015). Led a committee in handling membership matters, recruiting new members, and ensuring an effective application process. Awarded as the best executive committee member.
- Freshmen Relations Director, The Great Freshie Tour 2014 (06/2014). Handled the registration and dissemination of information to 1800 freshmen attendees. Prepared the souvenir booklet for the event.
- Volunteered from 2012 to 2014 as a Math lecturer for CATalinuhan, an annual college entrance exam review conducted by UP LAKAN.
- Member of UP Association for Computing Machinery and UP Photography Society.