

Edward Nataniel C. Apostol

📍 Malolos, Bulacan 📞 +63 921 598 2476 ✉️ edward.nataniel@gmail.com
🌐 linkedin.com/in/edward-apostol 🌐 edwardnataniel.github.io

Education

University of the Philippines Diliman

Master of Science (Statistics)

Aug 2018 – July 2020 (anticipated)

- Consistent university scholar for three semesters (running GPA: 1.14/1.00).
- Recipient of ASTHDRP-NSC graduate scholarship of DOST-SEI.
- Relevant coursework: Statistical Software, Statistical Inference, Applied Regression Analysis, Applied Multivariate Analysis, and Business Analytics.

University of the Philippines Diliman

Bachelor of Science in Computer Science

Jun 2010 – Jun 2015

- University Scholar (2nd sem '13-'14) and College Scholar (1st sem '13-'14).
- Undergraduate member of Scientific Computing Laboratory in UP Department of Computer Science
- Relevant coursework: Computer Programming, Data Structures, Algorithm Design, Database Systems, Artificial Intelligence, Linear Algebra, and Data Mining.

Work Experience

Philippine Genome Center

Bioinformatics Intern

Jun 2019 – Jul 2019

- Trained on the basics of Biology, Genomics, and Bioinformatics. Special training topics include version control (Git), Python Libraries (NumPy and Pandas), Jupyter Notebook, Docker, and Cloud Computing.
- Research Project: Using the latest sequence data from the 1000 Genome Project repository, we tested the hypothesis that Gene Conversion events are biased towards G and C alleles.
 - Worked primarily on the retrieval and wrangling of the sequence data using Python, Bash scripts, and Bioinformatics Tools such as Tabix and BEDTools.

Nokia Technology Center Philippines, Inc.

Research & Development Engineer

Mar 2017 – Oct 2018

- Participated in a 1-month C and C++ programming bootcamp.
- Developed new features and provided application support for a software program written in Java.
- Refactored existing codes and improved the running time of the software program by around 40%.
- Created product documentations such as feature specifications and user manuals.
- Conducted product-related trainings for developers and internal customers.
- Served as a Scrum Master for the development team.
 - Coordinated with stakeholders to understand the business needs and to identify appropriate solutions.
 - Collaborated with the development team in prioritization, estimation, and scheduling of tasks.
 - Facilitated the daily standup, sprint planning, sprint review, and sprint retrospective meetings.
 - Monitored and tracked the progress of tasks, updated dashboards, and prepared status reports.
 - Implemented process improvements and action items to improve quality of work, productivity, team dynamics, and employee engagement.

Infor PSSC, Inc.

Software Engineer, Associate

May 2016 – Mar 2017

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

Accenture

Associate Software Engineer

Aug 2015 – May 2016

- Participated in a two-month Java software development boot camp.
- Automated some processes for a client in the healthcare industry using Fusion (RPA Tool) and JavaScript.
- Performed administrative tasks in Center Bench such as creating attendance reports, updating seats and assets inventory, revising report templates, and organizing orientation sessions.

Skills

- Programming Languages: **Java, C, and Python.**
- Statistical Software: **R and SAS.**
- Web Development Tools: **HTML, JavaScript, SQL**
- Other Tools: **Bash scripting, LaTeX, Git**
- Other Software Development Competencies: **Software Testing, Agile Software Development**
- Statistics and Mathematics: **Descriptive and Inferential Statistics, Probability Theory, Sampling Designs, Linear Algebra, and Calculus.**
- Machine Learning: **Supervised Learning** (regression and classification methods), **Unsupervised Learning** (cluster analysis and association rule mining methods), and **Multivariate Techniques** (PCA, Factor Analysis, etc.)

Selected Projects

List of selected projects can be accessed [here](#).

Publications

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

Other Information

- Have taken 12 units of Technology Management courses at the UP Technology Management Center.
- Volunteer Mathematics lecturer from 2012-2014 for CATalinuhan, an annual college entrance exam review conducted by UP LAKAN.
- Vice President for Membership and Recruitment of UP Circle of Engineering Students (Apr 2014 – May 2015). Led a committee in handling membership matters, recruiting new members, and ensuring an effective application process.
- Passionate about digital photography. Can do basic photo editing using Adobe tools.