Cennen Del Rosario

Genomic Data Scientist · N2 Japanese Specialist

A data scientist with proven experience in various machine learning and statistical techniques. An expert in Time Series Analysis and Machine Learning. His current research work involves the application of neural networks in Genomics and Molecular Evolution. He used to be a software engineer developing web applications in banking, airline and healthcare industries.

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SKILLS

- Machine Learning & Deep Learning
- Data Query & Data Wrangling
- Natural Language Processing
- Data Visualization
- Software Engineering
- Statistics & Inference
- Time Series & Bayesian Analytics
- Survival Analysis
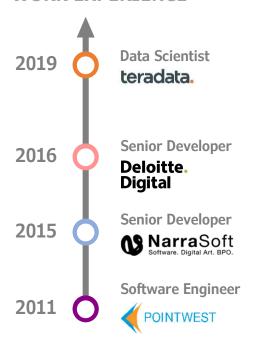- Bioinformatics
- Genomics
- Molecular Phylogenetics

ML TECHNIQUES

Linear Regression · Logistic Regression · Lasso · Ridge · K-Means · PCA · SVM · LDA · Metropolis-Hastings · Naive Bayes · KNN · Gibbs Sampler · Random Forest · Gradient Boosting · Markov Chain · Monte Carlo · CNN · Decision Trees · Association Rules · Bootstrapping · Clustering · RNN · ARIMA · ETS · VARMAX · GAM · GARCH · FB Prophet · Cubic Spline · HMM · Kaplan-Meier · Cox PH

WORK EXPERIENCE

2019 — Data Scientist, teradata
- Evangelize time series analysis to the Analytics team
- Applied survival analysis in a Banking Churn project
- Created POC in topic modelling and NLP of 日本語 tweets
- SME for Perl in a data migration project
- Bridging the Manage Services team to Teradata Japan

2016 — Senior Developer, Deloitte Digital
- Built, maintained, and supported websites in AEM
- Managed emails, marketing campaigns, and reports using Adobe Campaign
- Acted as DevOps support for a retirement company

2015 — Senior Developer, NarraSoft (Software. Digital Art. BPO.)
- Developed and maintained websites using CQ5
- Functioned as a full-stack developer for a US retail company

2011 — Software Engineer, POINTWEST
- Practiced all aspects of Agile software development
- Contributed to the website development and maintenance of a local bank and a US airline company
- Lead a team of junior developers in a web reskinning project

EDUCATION AND TRAININGS

Bachelor of Science in Electronics and Communications Engineering
University of the Philippines Diliman, Quezon City
2004-2010

Professional Master in Data Science (Analytics)
University of the Philippines BGC, Taguig City
2018-2020

Data Wrangling
Statistical Inference
Computational Statistics
Machine Learning
Forecasting Analytics
Bayesian Analytics
Deep Learning
Knowledge Data Discovery
Linear Programming
Molecular Phylogenetics

Online Courses and Paths

Udemy
Survival Analysis in R
Interactive Dashboard with Plotly and Dash
Python for Time Series Data
Bioinformatics with Python 2020

LinkedIn Learning
Advance Your Skills in Deep Learning and Neural Networks
Become a Financial Analyst
Become a Machine Learning Specialist
Become a Business Analytics Expert
Become a Data Analytics Specialist
Tableau Essential Training
Become a Data Visualization Expert

Enrichment Programs

PGC — Philippine Genome Center
Bioinformatics Training: Viral Metagenomics and Protein Structure Analysis

StoryIQ
Data Storytelling for Business

Coursera
Genomic Data Science (On-going)

TECHNOLOGY STACK

R · R Studio · python · scikit learn · Vantage · docker · biopython · PyCharm · Jupyter · Google colab · TensorFlow · Keras · plotly Dash · tableau · HTML5 · CSS3 · JS · Java · SQL