# **Aeint Thet Ngon**

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### **Education**

# Georgetown University- Washington, D.C.

May 2018

Masters of Science in Analytics Concentration in Data Science

#### Cornell College- Mount Vernon, IA

May 2016

Bachelor of Arts in Economics and Business, and Mathematics, magna cum laude

## **Skills and Tools**

- Software and Programming Languages: Python (numpy, scipy, pandas, NLTK), R (dplyr, ggplot2), Java, SQL, Stata, SAS
- Machine Learning: classification, regression, clustering, Bayesian Networks, support vector machines, tensor flow, K-Nearest Neighbor, and random forest
- Statistical Methods: time series, regression models, hypothesis testing and confidence intervals, principal component analysis and dimensionality reduction
- Massive Data Tools: MySql, Spark, Amazon Web Services, MapReduce, Hadoop
- Data Visualization Tools: GGplot2, Tableau, Plotly, Bokeh, Leaflet, NetworkD3, Shiny
- Development tools: Eclipse, JetBrains PyCharm, Spyder, Jupyter Notebook, RStudio

#### **Work Experience**

# **Data Analytics Consultant, World Bank Group**

Oct 2018-Present

- Review, maintain and develop Tableau Dashboards on Climate Co-Benefits and corporate climate change commitments
- Maintain and handle datasets from multiple data sources, including OPCS lending projections and sector/theme coding
- Support regular reports on Climate Co-Benefits such as trend analysis, projections, ad hoc-data requests and pipeline analytics

## Data Analyst, American Urological Association (AUA)

Jul 2018 - Oct 2018

- Support healthcare study projects with standard data cleaning, data analysis using SPSS and R
- Help maintain the urology quality registry and AUA's Census data
- Assist other departments with ad-hoc analysis of other research projects, data sets and data organizations

### Research and Technology Assistant, Georgetown University

Jul 2017-May 2018

- Collaborated with the University Information Services' engineering team to grow the Expandable Open Source (EOS) database, a Big Data archive of open source media used in universities researches
- Assisted researchers from different universities to build new robots to crawl designated websites
- Queried using SQL to create monthly reports to present to the director of EOS
- Helped users create regular expression strings to execute searches

#### Research Assistant, University of Iowa

Jun 2016-Aug 2016

- Queried and analyzed 1.5 billion patient visits data from Healthcare Cost and Utilization Project
- Coded in R to manipulate data and connect patients across time and different hospital visits
- Cooperated with medical professionals to identify potential misdiagnosis
- Applied logistic regression and association rules to predict the likelihood of potential misdiagnosis
- Presented the analysis at University of Iowa Hospital and Cornell College's Annual Symposium

# Quantitative Consultant, Quantitative Reasoning Studio, Cornell College

Sep 2014-May 2016

- Aided students with different types of mathematical and statistical needs
- Collaborated with faculty to deliver statistics software training (R, SAS, Stata, SPSS, Tableau, Excel)
- Trained students and other peer consultants on R, Tableau, and Excel

## **Projects**

### **Forecasting Energy Emission- Tools: R**

Dec 2016

 Built a machine learning model using Support Vector Machine that predicted the energy production with root mean square error of 19%

# Sentiment and Stock Analysis during 2008 Financial Crisis- Tools: Python

Dec 2016

- Scraped Yahoo Finance, New York Times and Fox News for relevant data
- Analyzed trends of different industries using linear regression
- Performed sentiment analysis on how media reacted to the Financial Crisis