ANDREW N. SAMARAKONE

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Objective

I am seeking an internship or entry-level position where I can make a positive difference in the world by analyzing data using Python/R.

Summary of Qualifications

- Created visualizations in Python of data on motor vehicle crashes, failed U.S banks, winning lottery numbers, and the U.S Vietnam veteran population
  Link: https://github.com/asamarakone/Python-Data-Visualizations-Practice

- Classified several U.S cities with 2 machine learning algorithms (DBSCAN and K-Means) in Python
  Link: https://github.com/asamarakone/Python_Coursera_Capstone/blob/master/Applied%20Data%20Science%20Capstone%20-%20Destination%20Classifier.ipynb

- Completed 2 courses on SQL, 2 courses on R, and 3 courses on Python

- Familiar with other ML algorithms such as KNN, Hierarchical Clustering, Logistic Regression, SVM, and Decision Trees

Education

UCLA September 2016 - June 2018
Physics, B.S

Major GPA: 3.037
Coursework: Applied Numerical Methods, Complex Analysis for Applications, Linear Algebra, Mathematical Methods for Physics, Electronics for Physics Measurement, Plasma Physics Laboratory, Modern Physics Laboratory, Acoustics Laboratory, Physics of Charged-Particle and Laser Beams, Seminar: Space Physics, Analytic Mechanics**,** Electricity and Magnetism, Quantum Mechanics, Thermodynamics, Elements of Quantum Mechanics and Statistical Mechanics

Irvine Valley College August 2013 – May 2016
GPA: 4.0
Coursework: Genetics and Evolutionary Biology, Integrated Biology: From DNA to Organisms, Integrated Biology: From Organisms to Ecosystems, Organic Chemistry, General Chemistry, General Physics, C Programming, Analytic Geometry and Calculus, Elementary Differential Equations, Introduction to Linear Algebra, Introduction to Linear Algebra, Introduction to Philosophy, Introduction to College Writing, College Writing 1, College Writing 2, Cultural Anthropology, Principles of Economics-Macro
Extracurriculars: IVC Student Ambassador

University High School 2009 – 2013
Key Coursework: AP Statistics, AP Biology, AP Art History

Certifications

Cognitive Class
Accelerating Deep Learning with GPU Nov 2018 – Present

Cognitive Class
Data Visualization with R Nov 2018 – Present

Cognitive Class
R 101 Nov 2018 – Present

Coursera
IBM Data Science Professional Certificate Oct 2018 – Present
License G2AZ6V8HMJXK

Coursera
Advanced Machine Learning and Signal Processing Sept 2018 – Present
License F8TL4M7AGZEB

Coursera
Fundamentals of Scalable Data Science Sept 2018 – Present
License LN8YK5L6KPX9

Coursera
The Complete SQL Bootcamp July 2018 – Present
License UC-XPUZTNZS

Projects

Classifier of Cities with major U.S airport hubs– classifiers cities via 2 ML algorithms (DBSCAN and K-Means) by estimated gas prices, estimated temperature, and venue type frequencies. Data is scraped/extracted from Gas Buddy, Weather Underground, BTS, Wikipedia, and Foursquare.
Link: https://github.com/asamarakone/Python_Coursera_Capstone

Computer Skills

Working proficiency with Python, Excel, Word, and PowerPoint
Limited proficiency with SQL, R, MATLAB, C, C++, and HTML

Languages

English (Native), Mandarin Chinese (8 semesters in high school)