VIGNESH KUMARESAN

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EDUCATION

Duke University — May 2020
Master in Interdisciplinary Data Science — Durham, NC
University of Miami — May 2016
Bachelor of Science in Economics and Psychology, Minor in Biology — Coral Gables, FL

TECHNICAL SKILLS

Python, R, SQL, Tableau, SAS, SPSS
Currently completing coursework in data science techniques, machine learning, and statistics.
Experience with applied analysis (pandas, numpy, tidyverse) and deep learning (TensorFlow, PyTorch)

CAPSTONE

Currently working with Duke Surgery on various data science projects for use in the health system, including OR schedule optimization and heart transplant risk modeling.

EXPERIENCE

Verily Life Sciences (formerly Google Life Sciences) — 5/19-8/19
Health Informatics Intern — Cambridge, MA
- Responsible for data engineering and production of clinical notes NLP pipeline
- Conducted time series analysis to observe patterns in pharmacy fill data
- Delivered knowledge to bridge the gap between software engineers, clinicians, and product managers

IBM Watson Health — 2/17-7/18
Data Scientist, Emerging Analytics, Value Based Care — Cambridge, MA
- Researched social determinants of health and their predictive ability to improve clinical outcomes
- Collaborated with team members and employed statistical techniques to build predictive models
- Utilized data science tools (R, Python, etc.) to manipulate and analyze datasets
- Presented results to business stakeholders and maintained dialogue to inform analysis

IBM Watson Health — 8/16-2/17
BlueSpark Leadership Development Program 5.0 — Cambridge, MA
- Rotated through various business units in Watson Health to gain experience and insight
- Contributed to projects in Offering Management, Consulting, and Life Sciences
- Attended seminars and learning sessions about the healthcare industry
- Graduated from IBM Global Sales School, a seller certification program

UHealth Clinical Applications, Miller School of Medicine/UHealth System — 6/15-5/16
Health Informatics Intern — Miami, FL
- Used SQL to manage relational databases containing patient information
- Recommended a new model for Research IT, based off of an efficiency analysis performed using SAS, which was later implemented across several departments
- Worked on implementing a new population health metric for the system (Epic's Healthy Planet)

OTHER

Personal Data Science Blog: https://medium.com/data-in-all-things
Github: https://github.com/vkumaresan

United States Citizen