

VIGNESH KUMARESAN

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EDUCATION

Duke University

Master in Interdisciplinary Data Science

May 2020

Durham, NC

University of Miami

Bachelor of Science in Economics and Psychology, Minor in Biology

May 2016

Coral Gables, FL

TECHNICAL SKILLS

Languages: 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)

RELEVANT PROJECTS

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.

Head of Data Science for Duke Data Ops, a pro-bono consulting club that focuses on helping small businesses make better decisions with data.

Paper (in Review): Applying Topic Modeling to the Analysis of Clinical Consultations: the Study of Patients with Low- and Intermediate-Risk Cancer.

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

OTHER

LinkedIn: <https://www.linkedin.com/in/viggy-kumaresan/>

Github: <https://github.com/vkumaresan>

United States Citizen