John S. Hopkins

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EDUCATION

Carnegie Mellon University, H. John Heinz III College, Pittsburgh, PA   May 2021
Master of Science, Healthcare Analytics and Information Technology   GPA: 3.9

University of Pittsburgh   May 2019
Bachelor of Science, Health Information Management   GPA: 3.5

COURSEWORK

Analytics: Data Focused Python, Data Mining, Applied Analytics: Machine Learning Pipeline, Econometrics
Technology: Intro to Programming with Python, Database Management, Health Information Systems
Health Management: Management Science I & II, Health Policy and Management Systems, Health Economics

SKILLS

R, Python, SAS, Stata, MATLAB, GAMS, SQL, Access, Excel, C++, VBA

RELEVANT EXPERIENCE

TriCap Technology Group   May 2020-August 2020
Graduate Data Analytics Intern
- Designed recommendation engine to develop a personalized client engagement plan
- Presented pilot program to executive leadership the showcase impact of client engagement measurement
- Mapped data growth trends within the bio-technology industry for potential benchmarking
- Created bi-weekly data summary reports and presented to senior leadership

BioMotivate, Pittsburgh, PA   September 2019 – March 2020
Analyst Intern
- Formulated productivity model to monitor employee performance
- Analyzed market data on alternate site providers such as urgent care, wound care and apheresis centers
- Detected errors within the formulation group for process quality control tests on tablets and capsules
- Implemented formulation model for rare hypertension and diabetic drugs utilizing palletization techniques

ACADEMIC PROJECTS

MITRE, Remote   October 2019 – December 2019
Created Clinical Decision Support System using multiple linear regression to determine probability of a hypertension patient developing a comorbidity.

Phillips Hack-A-Thon Case Competition, Pittsburgh, PA
November 2019
Led hypertension patient population case competition team project to improve the quality and outcomes for the patients. Team placed 3rd overall.

UPMC, Pittsburgh, PA   January 2020 – April 2020
Complied survey results into a database system to understand the relationship between aging populations and nationwide neighborhoods for the Department of Health Policy and Management at UPMC Shadyside Hospital.

ACTIVITIES

Heinz College Healthcare Club – Treasurer   April 2020 - Present
Healthcare Information and Management Systems Society – Program Assistant   February 2020
Children's Hospital of Pittsburgh of UPMC – Data Analyst Volunteer   August 2019 – May 2020