

Profile

Data analyst / data scientist with experience in health care domain, aspire to make a contribution to the data team and improve business processes.

<i>Experience</i>	Stemi Inspiration Vietnam Data Science Instructor	Feb 2022 - Now
	<ul style="list-style-type: none">Develop the interest of students in high school in SQL, database management and coding.Mentored students to become more interested in data science and STEM fields.	
	Innovative Men's Health Data Analyst / Data Scientist	Aug 2022 - Dec 2022
	<ul style="list-style-type: none">Collected team requirements and software vendor information to provide an estimated long-term pricing plan while minimizing administrative expenses.Provided a method to discover the relationship between CPT and ICD-9 / ICD-10 codes using unsupervised clustering algorithms and data mining algorithms.	
	SIU School of Medicine Data Analyst	Feb 2020 - Oct 2021
	<ul style="list-style-type: none">Assisted the Telehealth team and Marketing team with the development of Tableau dashboards, tracking patient volumes and monthly performance by the city in order to identify the cities with the most need for assistance.Submitted weekly reports to the Illinois Department of Public Health and assisted the team in maintaining a Covid-19 patient retention rate of approximately 96% in a Public Health Program.Retrieved Electronic Healthcare Record data from Microsoft SQL Server to quickly respond to ad hoc requests, and reduce query latency from two minutes to thirty seconds by limiting the search space.Facilitated physicians with data quality validation, and performed power analysis and sample size calculation for experimental design questions and regression analyses in R and Python.	
	SIU School of Medicine Data Science Intern	May 2019 - Aug 2019
	<ul style="list-style-type: none">Collaborated with the Internal Medicine department research team to analyze medical data, explore the relationship between predictors versus adverse events in survival/time-to-event analysis, and utilize quantiles of variations in blood pressure to identify patients with an elevated risk of developing hypertension.Applied a propensity score model (logistic regression model) to predict the likelihood that a medical resident would accept the residency program at SIU from 60 PR-AUC to 65 PR-AUC (performance metric).Migrated unstructured data from legacy systems into REDCap and reduced database management redundancy.	
	University of California - Berkeley Lab Assistant	Aug 2018 - Dec 2018
	<ul style="list-style-type: none">Students were guided in analyzing high-dimensional data sets ranging from 2 to 5GB utilizing R statistical libraries.Assisted in the organization of the materials, the examination of the laboratory and project assignments, and the teaching of the class.	

<i>Skills</i>	Data Science Conduct experimental design, data ingestion, transformation and orchestration, data engineering, data viz	Project Management Proven ability to lead and manage a wide variety of projects in cross-functional team and independent projects.	Machine Learning and Deep Learning Lead machine learning and deep learning application projects in healthcare.

<i>Technical</i>	SQL / PL-SQL / T-SQL	Python	linux
	dbt	R	git / github
	dagster	Tableau	AWS / Cloud Computing

Education

University of California - Berkeley Fall 2017 - Fall 2019
B.A. in Statistics with Data Science concentration — **3.2 GPA**
University of Illinois - Urbana-Champaign Fall 2020 - Spring 2023
Master in Computer Science with Data Science concentration — **3.9 GPA**