CEDRIC VICERA

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July 2021

November 2021

EDUCATION University of Pennsylvania Expected 2023 Master of Computer and Information Technology 2020 University of Arizona B. A. in Philosophy (with Honors) Thesis: The Scope of Mechanistic Explanation (Advisor: Richard Healey) RESEARCH EXPERIENCE Computational Social Science Lab 2021 -PI: Duncan Watts Task implementation for high-throughput experiments on group dynamics St. Jude Children's Research Hospital · Department of Biostatistics Summer 2021 PI: Li Tang Gut microbiome analysis of ALL patients for obesity status using mixed-effects modeling Computational Medicine and Informatics Collaboratory 2018 - 2020PI: Vignesh Subbian Cohort discovery via tele-ICU systems to develop personas for critically ill mechanical ventilation patients **PUBLICATIONS** Analysis of Acute Respiratory Failure Patient Noninvasive Ventilation Therapy 2020 Patrick Essay, Cedric Vicera, Jarrod Mosier, Vignesh Subbian American Thoracic Society International Conference Persona Identification in Tele-ICU Data of Mechanically Ventilated Patients 2019 UROC Abstract Review **PRESENTATIONS**

The Effect of the Gut Microbiome on Obesity in Survivors of Childhood Cancer

POE Lunch & Learn Series · St. Jude Children's Research Hospital

Persona Identification in Tele-ICU Data of Mechanically Ventilated UROC Research Conference (Poster) · University of Arizona	Patients August 2019
•	1148450 2017
Phenotyping of Mechanically Ventilated Patients in the ICU UROC Summer Colloquium · University of Arizona	August 2019
TEACHING	
University of Pennsylvania · Teaching Assistant	
Introduction to Software Development (Brandon Krakowsky)	Fall 2021
Introduction to Software Development (Brandon Krakowsky)	Spring 2021
University of Arizona · Head Section Leader	
Computational Thinking and Doing (Dylan Murphy)	Fall 2019
University of Arizona · Section Leader	
Dealing with Data (Rich Thompson)	Spring 2020
Computational Thinking and Doing (Rich Thompson)	Spring 2019
Computational Thinking and Doing (Dylan Murphy)	Fall 2018
Honors & Awards	
Research Fellowships	
UROC Summer Research Institute	Summer 2019
Scholarships	
Magellan Circle Scholarship	2019
H.J. & Signe Bonnevie Scholarship (2x)	2018, 2019
Laura and Arch Brown Scholarship	2018
GRADUATE COURSEWORK	
Statistics and Machine Learning	
University of Pennsylvania	
Fundamentals of Linear Algebra and Optimization	2022
Artificial Intelligence Statistics for Data Science	2021
University of Arizona	
Artificial Intelligence for Health and Medicine Neural Networks	2020
	2019
Computer Science University of Pennsylvania	
Oniversity of Tellisylvania	

Blockchains and Cryptography	2021
Data Structures and Software Design	
Introduction to Computer Systems	
Mathematical Foundations of Computer Science	
Introduction to Software Development	2020
Philosophy	
University of Arizona	
Healthcare Ethics	2020
Symbolic Logic	2019

REFERENCES

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