

CEDRIC VICERA

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EDUCATION

University of Pennsylvania Expected 2023
Master of Computer and Information Technology

University of Arizona 2020
B. A. in Philosophy (with Honors)
Thesis: *The Scope of Mechanistic Explanation* (Advisor: Richard Healey)

RESEARCH EXPERIENCE

Research Assistant

St. Jude Children's Research Hospital · Department of Biostatistics Summer 2021
PI: Li Tang
(programming in R; research on gut microbiome analysis of ALL patients for obesity status using mixed-effects modeling)

Computational Medicine and Informatics Collaboratory 2018–2020
PI: Vignesh Subbian
(programming in Python, R; research on 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 July 2021

Phenotyping of Mechanically Ventilated Patients in the ICU
UROC Summer Colloquium · University of Arizona August 2019

Persona Identification in Tele-ICU Data of Mechanically Ventilated Patients
24th Annual UROC Research Conference (poster), University of Arizona June 2018

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

REFERENCES

Li Tang

Associate Member

St. Jude Children's Research Hospital

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Vignesh Subbian

Assistant Professor

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Brandon Krakowsky

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Richard Thompson

Senior Lecturer

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