

# CEDRIC VICERA

November 2021

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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)

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## 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 – 2020

PI: Vignesh Subbian

Cohort discovery via tele-ICU systems to develop personas for critically ill mechanical ventilation patients

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## 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*

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## 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

Persona Identification in Tele-ICU Data of Mechanically Ventilated Patients	
UROC Research Conference (Poster) · University of Arizona	August 2019
Phenotyping of Mechanically Ventilated Patients in the ICU	
UROC Summer Colloquium · University of Arizona	August 2019

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## 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

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## 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

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## REFERENCES

Li Tang	Vignesh Subbian
Associate Member	Assistant Professor
St. Jude Children's Research Hospital	University of Arizona
li.tang@stjude.org	vsubbian@arizona.edu
Brandon Krakowsky	Richard Thompson
Lecturer	Senior Lecturer
University of Pennsylvania	University of Arizona
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