

CEDRIC VICERA

December 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)

RESEARCH EXPERIENCE

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 critical care patient personas

PUBLICATIONS

CONFERENCE PROCEEDINGS

Analysis of Acute Respiratory Failure Patient Noninvasive Ventilation Therapy 2020

Patrick Essay, **Cedric Vicera**, Jarrod Mosier, Vignesh Subbian

American Thoracic Society International Conference

ABSTRACTS

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

Persona Identification in Tele-ICU Data of Mechanically Ventilated Patients

UROC Research Conference (Poster) · University of Arizona

August 2019

TEACHING

University of Pennsylvania · Teaching Assistant

Introduction to Software Development (Brandon Krakowsky)	Spring 2022
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
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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
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Scholarships

Magellan Circle Scholarship	2019
H.J. & Signe Bonnevie Scholarship (2x)	2018, 2019
Laura and Arch Brown Scholarship	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

Lecturer

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