

CEDRIC VICERA

August 2021

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www.cedricvicera.com

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

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

REFERENCES

Li Tang

Associate Member

St. Jude Children's Research Hospital

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Vignesh Subbian

Assistant Professor

University of Arizona

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Brandon Krakowsky

Lecturer

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Richard Thompson

Senior Lecturer

University of Arizona

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