

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)

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

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)	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

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

University of Arizona

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Brandon Krakowsky

Lecturer

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