

CEDRIC VICERA

January 2022

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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

Computational Social Science Lab Winter 2022
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 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

INVITED

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

POSTERS

Persona Identification in Tele-ICU Data of Mechanically Ventilated Patients

UROC Research Conference · 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

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

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

li.tang@stjude.org

Vignesh Subbian

Assistant Professor

University of Arizona

vsubbian@arizona.edu

Brandon Krakowsky
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