

Cedric Vicera

CONTACT

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www.cedricvicera.com

Education

University of Pennsylvania

Master of Computer and Information Technology

Expected 2022

University of Arizona

B.A., Philosophy (with Honors)

2020

Advisor: Richard Healey

Thesis: *The Scope of Mechanistic Explanation*

Research Experience

St. Jude Children's Research Hospital · Department of Biostatistics

Summer 2021

Advisors: Li Tang, Suraj Sarvode Mothi

Project: Gut microbiome analysis of ALL patients for obesity status

University of Arizona · Computational Medicine and Informatics Collaboratory

2018 – 2020

Advisors: Vignesh Subbian, Patrick Essay

Project: Computational phenotyping of critical care patients for respiratory health

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

UNDERGRADUATE

Persona Identification in Tele-ICU Data of Mechanically Ventilated Patients

2019

Cedric Vicera

UROC Abstract Review

Presentations

INVITED TALKS

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

24th Annual UROC Research Conference · University of Arizona

August 2019

Honors & Awards

RESEARCH FELLOWSHIPS

Magellan Circle Scholarship 2019

UROC Summer Research Institute Stipend 2019

H.J. & Signe Bonnevie Scholarship (2x) 2018 – 2019

Laura and Arch Brown Scholarship 2018

Teaching

GRADUATE TEACHING ASSISTANT · UNIVERSITY OF PENNSYLVANIA

Introduction to Software Development · *Brandon Krakowsky* 2021

HEAD SECTION LEADER · UNIVERSITY OF ARIZONA

Computational Thinking and Doing · *Dylan Murphy* 2019

SECTION LEADER · UNIVERSITY OF ARIZONA

Dealing with Data · *Rich Thompson* 2020

Computational Thinking and Doing · *Rich Thompson* 2019

Computational Thinking and Doing · *Dylan Murphy* 2018

Additional Experience

SUMMER PROGRAMS

Pediatric Oncology Education Program 2021

NIH/NCI funded research program for students to gain training in biomedical/oncology research

UROC Summer Research Institute 2019

Fully funded research program for underrepresented students interested in graduate education

Graduate Coursework

STATISTICS & MACHINE LEARNING

Statistics for Data Science · *Eric Eaton & Hamed Hassani*

Artificial Intelligence for Health and Medicine · *Vignesh Subbian*

Neural Networks · *Steven Bethard*

COMPUTER SCIENCE

Blockchains and Cryptography · *Brett Falk & Mohammad Amiri*

Data Structures and Software Design · *Rafael Rubin*

Introduction to Computer Systems · *Thomas Farmer*

Mathematical Foundations of Computer Science · *Val Tennen*

Introduction to Software Development · *Brandon Krakowsky*

PHILOSOPHY

Healthcare Ethics · *Laura Howard*

Symbolic Logic · *Jason Turner*

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

Richard Thompson

Senior Lecturer

University of Arizona

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