

# Cedric Vicera

## CONTACT

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## Education

### University of Pennsylvania

Master of Computer and Information Technology

Expected 2022

### University of Arizona

B.A., Philosophy with Honors

2020

Thesis: *The Scope of Mechanistic Explanation*

Advisor: Richard Healey

## Research Experience

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

Summer 2021

Advisors: Li Tang, Suraj Sarvode Mothi

**University of Arizona** · Computational Medicine and Informatics Collaboratory

2018 – 2020

Advisors: Vignesh Subbian, Patrick Essay

## 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

#### TBD

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

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*