

# Cedric Vicera

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## Education

### *University of Pennsylvania*

Master of Computer and Information Technology (2022 exp.)

### *University of Arizona*

B.A. in Philosophy with Honors (2020)

Thesis: *The Scope of Mechanistic Explanation*

Advisor: Richard Healey

## Research Experience

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

Research Intern (Summer 2021)

Advisor: Li Tang

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

Research Assistant (2018 – 2020)

Advisor: Vignesh Subbian

## Publications

### *Conference Proceedings*

Analysis of Acute Respiratory Failure Patient Noninvasive Ventilation Therapy

P. Essay, C. Vicera, J. Mosier, V. Subbian

*American Thoracic Society International Conference* (2020)

### *Undergraduate*

Persona Identification in Tele-ICU Data of Mechanically Ventilated Patients

*UROC Abstract Review* (2019)

## 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**

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**

*Teaching Assistant* · University of Pennsylvania

Introduction to Software Development (2021) · Brandon Krakowsky

*Head Section Leader* · University of Arizona

Computational Thinking and Doing (2019) · Dylan Murphy

*Section Leader* · University of Arizona

Dealing with Data (2020) · Rich Thompson

Computational Thinking and Doing (2019) · Rich Thompson

Computational Thinking and Doing (2018) · Dylan Murphy

## **Additional Experience**

### *Summer Programs*

UROC Summer Research Institute (2019) · University of Arizona

Attended a fully funded summer program for underrepresented students interested in research and graduate education organized by the University of Arizona Graduate College

## 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 Hemenway Falk & Mohammad Javad 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