

Cedric Vicera

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Education

University of Pennsylvania

Master of Computer and Information Technology (2022 exp.)

University of Arizona

B.A. (*Honors*) in Philosophy (2020)

Thesis: *The Scope of Mechanistic Explanation*

Advisor: Richard Healey

Publications

Refereed Conference Papers

Analysis of Acute Respiratory Failure Patient Noninvasive Ventilation Therapy

Patrick Essay, Cedric Vicera, Jarrod Mosier, & Vignesh Subbian

American Thoracic Society International Conference (2020)

Presentations

Talks

TBA

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 Summer Research Conference · University of Arizona (August 2019)

Honors & Awards

Magellan Circle Scholarship (2019)
H.J. and Signe Bonnevie Scholarship ($\times 2$) (2018, 2019)
UROC Summer Research Institute Stipend (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

Graduate Coursework

Machine Learning

Artificial Intelligence for Health and Medicine · Vignesh Subbian
Neural Networks · Steven Bethard

Computer Science

Data Structures & 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

Additional Experience

Research Experience

Pediatric Oncology Education Program (2021) · St. Jude Children's Research Hospital

Conducted research on pediatric oncology investigating data science methods to improve treatment of catastrophic pediatric diseases

Computational Medicine and Informatics Collaboratory (2018 – 2020) · University of Arizona

Conducted research on applications in critical care investigating computational solutions for respiratory conditions

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