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

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

Computational Medicine and Informatics Collaboratory (2018 – 2020) · University of Arizona
Conducted research on applications in critical care investigating computational solutions
for respiratory conditions

Summary 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