Cedric Vicera

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Employment

St. Jude Children's Research Hospital

Research Intern · Department of Biostatistics (Summer 2021)

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

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)

Presentations

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)
H.J. & Signe Bonnevie Scholarship (2019, 2018)
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

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

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

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

Computer Science

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