Cedric Vicera

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www.cedricvicera.com

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

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 (×2) (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

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 severe 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

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