

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) · Li Tang

University of Arizona · Computational Medicine and Informatics Collaboratory

Research Assistant (2018 – 2020) · 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

UROG Abstract Review (2019)

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)

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 · Victor Preciado

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