

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)

Advisor: Li Tang

University of Arizona · Computational Medicine and Informatics Collaboratory

Research Assistant (2018 – 2020)

Advisor: Vignesh Subbian

Publications

Conference Proceedings

Analysis of Acute Respiratory Failure Patient Noninvasive Ventilation Therapy

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

American Thoracic Society International Conference (2020)

Undergraduate

Persona Identification in Tele-ICU Data of Mechanically Ventilated Patients

Cedric Vicera

UROC Abstract Review (2019)

Presentations

Invited 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

Graduate 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 · Eric Eaton & Hamed Hassani

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