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 (2021) · Li Tang

University of Arizona \cdot Computational Medicine and Informatics Collaboratory Research Assistant (2018 – 2020) \cdot 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)

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 \cdot Victor Preciado Artificial Intelligence for Health and Medicine \cdot Vignesh Subbian Neural Networks \cdot Steven Bethard

Computer Science

Blockchains and Cryptography \cdot Brett Hemenway Falk & Mohammad Javad Amiri Data Structures and Software Design \cdot Rafael Rubin Introduction to Computer Systems \cdot Thomas Farmer Mathematical Foundations of Computer Science \cdot Val Tennen Introduction to Software Development \cdot Brandon Krakowsky

Philosophy

Healthcare Ethics · Laura Howard Symbolic Logic · Jason Turner