

Cedric Vicera

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Education

Master of Computer and Information Technology · University of Pennsylvania (2022 exp.)

B.A. Philosophy (*Honors*) · University of Arizona (2020)

Thesis: *The Scope of Mechanistic Explanation*

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

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

UROC Summer Research Conference · University of Arizona (August 2019)

Honors & Awards

Magellan Circle Scholarship (2019)

H.J. and Signe Bonnevie Scholarship ($\times 2$) (2018, 2019)

UROC Summer Research Institute Stipend (2019)

Laura and Arch Brown Scholarship (2018)

Wildcat Excellence Tuition Award (2017 – 2020)

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

Graduate Coursework

Computer Science

Data Structures & Software Design (*In Progress*) · Rafael Rubin

Introduction to Computer Systems (*In Progress*) · Thomas Farmer

Mathematical Foundations of Computer Science (*In Progress*) · Val Tennen

Introduction to Software Development (2020) · Brandon Krakowsky

Machine Learning

Artificial Intelligence for Health and Medicine (2020) · Vignesh Subbian

Neural Networks (2019) · Steven Bethard

Philosophy

Healthcare Ethics (2020) · Laura Howard

Symbolic Logic (2019) · Jason Turner

Additional Experience

Research Experience

Computational Medicine and Informatics Collaboratory (2018 – 2020) · University of Arizona

Summer Programs

UROC Summer Research Institute (2019) · University of Arizona