Cedric Vicera

February 2022   vicera@seas.upenn.edu   www.cedricvicera.com

Education

University of Pennsylvania   Expected **2023**

    Master of Computer and Information Technology

University of Arizona   **2020**

    B. A. in Philosophy (with Honors)

Experience

CVS Health   Summer 2022

    Data Science Intern
    Team: Analytics and Behavior Change

Computational Social Science Lab   Winter 2022

    Research Assistant
    PI: Duncan Watts
    Task implementation for high-throughput experiments on group dynamics

St. Jude Children's Research Hospital   Summer 2021

    Biostatistics Research Intern
    PI: Li Tang
    Gut microbiome analysis of ALL patients for obesity status using mixed-effects modeling

Computational Medicine and Informatics Collaboratory   2018 – 2020

    Research Assistant
    PI: Vignesh Subbian
    Cohort discovery via tele-ICU systems to develop critical care patient personas

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Publications

Conference Proceedings

Analysis of Acute Respiratory Failure Patient Noninvasive Ventilation Therapy   2020
    Patrick Essay, **Cedric Vicera**, Jarrod Mosier, Vignesh Subbian
    American Thoracic Society International Conference

Abstracts

Persona Identification in Tele-ICU Data of Mechanically Ventilated Patients   2019
    UROC Abstract Review

PRESENTATIONS

INVITED

The Effect of the Gut Microbiome on Obesity in Survivors of Childhood Cancer
    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
    UROC Research Conference · University of Arizona   August 2019

TEACHING

University of Pennsylvania · Teaching Assistant
    Introduction to Software Development (Brandon Krakowsky)   Spring 2022
    Introduction to Software Development (Brandon Krakowsky)   Fall 2021
    Introduction to Software Development (Brandon Krakowsky)   Spring 2021

University of Arizona · Head Section Leader
    Computational Thinking and Doing (Dylan Murphy)   Fall 2019

University of Arizona · Section Leader
    Dealing with Data (Rich Thompson)   Spring 2020
    Computational Thinking and Doing (Rich Thompson)   Spring 2019
    Computational Thinking and Doing (Dylan Murphy)   Fall 2018

AWARDS

Research Fellowships
    UROC Summer Research Institute   2019

Scholarships
    Magellan Circle Scholarship   2019
    H.J. & Signe Bonnevie Scholarship (2x)   2018, 2019
    Laura and Arch Brown Scholarship   2018

REFERENCES

Li Tang
Associate Member
St. Jude Children's Research Hospital
li.tang@stjude.org

Vignesh Subbian
Assistant Professor
University of Arizona
vsubbian@arizona.edu

Brandon Krakowsky
Research & Education Director
University of Pennsylvania
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