ALBERTO ACEVEDO

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EDUCATION

PhD | *Applied Mathematics*
University of Arizona

Aug. 2017 – May 2022 (In progress)
Tucson, Arizona, USA

Masters of Science | *Applied Mathematics*
University of Arizona

Received May 2020
Tucson, Arizona, USA

Bachelors of Science| *Major: Mathematics and Physics double major*
California State University of San Bernardino

September 2011 – June 2015
San Bernardino, California, USA

RECENT PROJECTS AND RESEARCH

PhD research| *Topic : Quantum open systems and Quantum Decoherence Theory*
University of Arizona

Fall 2017-present

Summer research intern |*Topic : Quantum Montecarlo methods for the N body problem*
IPAM/ AMD virtual internship

Summer 2020

Research Aid|*Topic : Computational methods for Quantum Chemistry*
Argonne National Laboratory, Illinois, USA

Summer 2019

PAST PROJECTS AND RESEARCH

REU intern|*Topic : Differential Geometry: Linear dependencies of curvature tensors*
California State University of San Bernardino

Summer 2014
San Bernardino, California, USA

REU intern|*Topic : Quantum dynamics project on Lie algebra methods*
Brigham Young University

Summer 2013
Provo, Utah, USA

REU intern|*Topic : Coloring problems in graph theory*
California State University of San Bernardino

Summer 2012
San Bernardino, California, USA

PUBLICATIONS

[1] A. Acevedo, B. Leroux, M. Curry, N. Malaya and S H. Joshi "Vandermonde Wave Function Ansatz for Improved Variational Monte Carlo", in The 5th Deep Learning on Supercomputers Workshop : Proc.of the 2020 int Conf. for High Performance Computing, Networking, Storage and Analysis SC20 [Online].

HONORS AND AWARDS

The University of Arizona's GPSC Travel grant
Used to participate in the SOLVAY 2019 workshop on Quantum Simulation

Spring 2019
Brussels, Belgium

TEACHING EXPERIENCE

College Algebra(MATH 112)
The University of Arizona

Fall 2017
Tucson, Arizona, USA

College Algebra(MATH 112)   Fall 2018
The University of Arizona   Tucson, Arizona, USA

Business Calculus (MATH 116)   Spring 2019
The University of Arizona   Tucson, Arizona, USA

Exploring and Understanding Data TA (MATH107)   Summer 2020
The University of Arizona   Tucson, Arizona, USA

Differential equations discussion session(MATH 254)   Fall 2020
The University of Arizona   Tucson,Arizona,USA

SKILLS

Languages: English (Native), Spanish (Native), French (B2), Russian(A2), Japanese(N4)
Programming: Python (NumPy, SciPy, Matplotlib, Pandas, Pytorch, sklearn, Qutip, Qiskit), MATLAB, R,
SQL(Beginner)
Document Creation: Microsoft Office Suite, LaTex