

Josiah Park

CONTACT INFORMATION	email: jmdpark[at]berkeley[dot]edu webpage: https://josiahpark.github.io/ publication list: Google Scholar phone (US): +1(727)-597-2836
RESEARCH INTERESTS	I am currently interested in problems related to (deep) learning, signal processing, and optimization that utilize mathematical tools from convex optimization, harmonic analysis, and functional analysis.
EMPLOYMENT	<p>Lawrence Berkeley National Laboratory, Berkeley, CA Postdoctoral Scholar, Math for Experimental Data Analysis January 2023 – January 2024</p> <p>Texas A&M University, College Station, TX Visiting Assistant Professor, Mathematics Department August 2020 – December 2022 Mentor(s): Ronald DeVore and Simon Foucart</p> <p>Georgia Institute of Technology, Atlanta, GA Graduate Teaching/Research Assistant, School of Mathematics</p> <p>University of South Florida, Tampa, FL Graduate Teaching Assistant, Mathematics Department</p>
EDUCATION	<p>Georgia Institute of Technology, Atlanta, GA Ph. D., Mathematics, (August 2020) Advisor(s): Christopher Heil and Michael Lacey</p> <p>University of South Florida, Tampa, FL M.A., Mathematics, (May 2016) B.A., Mathematics, Magna Cum Laude, (May 2014)</p>

QUALIFICATIONS	<p>Computer Languages and Environments:</p> <p>Experience with C++, CUDA, Django, Keras, Magma, Maple, Mathematica, Matlab, PostgreSQL, Python, Pytorch, React, SQL, Tensorflow.</p> <p>Other:</p> <p>Expertise in disseminating research through publications, electronic resources, and talks.</p> <p>Mentoring and teaching experience on commercially important technologies within public university systems.</p> <p>Proficiency in development and implementation of novel algorithms for scientific applications.</p> <p>Experience with high performance computing environments and database management.</p>
CONTRIBUTED TALKS	<p><i>Interaction Energy Minimization, Symmetry, and Optimization Methods</i>, CS Postdoc Symposium 2023, Lawrence Berkeley National Lab, Berkeley, CA, February 7, 2023.</p>
SEMINAR AND INVITED TALKS	<p><i>Gaussian Processes, Dimension Reduction, Approximation, and More</i>, Seminar Talk, Oak Ridge National Lab, Oak Ridge, TN, May 18, 2023.</p>
MENTORING	<p>Mentor for UC Berkeley AI LLM Hackathon, Berkeley, CA, June 17, 2023</p> <p>Independent Studies: Carlos Saltijeral (TAMU, Spring 2022).</p>