Diego Fuentes

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Objective

Research scientist position applying machine learning to materials discovery.

Education

University of Wisconsin–Madison — Madison, WI

PhD in Materials Science — 2019–2024
GPA 3.9/4.0

BSc in Chemical Engineering — 2015–2019

ETH Zürich — Zurich, Switzerland
Semester exchange

Visiting Researcher, Computational Materials Group — Spring 2018

Academics

Instructor Intro to Materials Science, Data Methods for Engineers

Teaching Assistant Thermodynamics, Statistical Mechanics

Referee Journal of Computational Materials, MRS Fall Meeting

Coursework Machine Learning, High-Performance Computing, Crystallography

Employment History

Latticeworks Inc. — Madison, WI
Materials-discovery startup, roughly 40 employees

Research Scientist — 2024 – present
Trained graph neural networks to predict candidate battery materials, cutting simulation screening time from weeks to hours

Argonne National Laboratory — Lemont, IL
National materials-science laboratory

Graduate Researcher — 2020 – 2023
Built data pipelines for the lab's high-throughput synthesis platform as part of my PhD collaboration

Conferences

MRS Fall Meeting Speaker (2022, 2023)
Workshop on Machine Learning for Materials Panelist (2023)

Publications and Presentations

[1]Denotes a peer-reviewed publication

"Graph Neural Networks for Battery Material Screening"[1] MRS Fall Meeting, 2023. D. Fuentes, A. Reyes, L. Chen.

"Data Pipelines for High-Throughput Synthesis" Argonne Internal Technical Report, 2022. D. Fuentes.