



Jacob Fein-Ashley

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EDUCATION

University of Southern California

Los Angeles, California

Ph.D. in Electrical Engineering

Jan 2025 – May 2028

Research focused on machine learning

Relevant Coursework: Probability for Electrical Engineers, Linear Algebra for Electrical Engineers, Topics in Stochastic Processes, Computational Intelligence and Neural Learning, Deep Learning

University of Southern California

Los Angeles, California

MS in Electrical Engineering

Aug 2023 – Dec 2024

Coursework focused on machine learning and data science

Colorado School of Mines

Golden, Colorado

BS in Computer Science

Aug 2020 – Dec 2022

Coursework focused on mathematics and CS fundamentals

GPA: 3.80/4.00

Relevant Coursework: Machine Learning, Data Structures, Algorithms, Linear Algebra, Probability Theory, Mathematical Statistics, Operating Systems, Calculus I-III, Differential Equations, Discrete Mathematics, Software Engineering, Database Management, Multivariate Analysis, Advanced Machine Learning

AWARDS

2021-2022 Palantir C-MAPP Scholar

SKILLS

Languages: Julia, Python, C++, Java, SQL

Technologies: PyTorch, Scikit-learn, NumPy, Pandas, Matplotlib, Git, Docker

Operating Systems: Linux, Windows

EXPERIENCE

Data Science Lab, USC

Los Angeles, California

Graduate Research Assistant

May 2023 – Present

- Researching areas broadly related to machine learning and data science.
- Collaborating with other researchers to develop new algorithms and models related to machine learning.
- Directed by Dr. Viktor Prasanna

MInDS@Mines

Golden, Colorado

Undergraduate Research Assistant

May 2022 – Aug 2022

- Initiated research for performance metrics of three-dimensional point clouds and meshes
- Implemented and designed an algorithm for scoring surface reconstruction meshes against respective point clouds.
- Directed by Dr. Hua Wang