

# Catherine Weiss

Los Angeles, CA 90034

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**Expected Degree:** Master of Data Science

University of California, Berkeley 2025, GPA 3.9

**Degree:** Bachelor of Science, Applied Mathematics, Minor, Computer Science

Loyola Marymount University Honors Program 2017, GPA 3.7

**Programming and Frameworks:** Python, SQL, Go, TensorFlow, SciKit-Learn, Pandas, Numpy, dbt, Google Tag Manager, Docker, Data Science

**Relevant Coursework:** Machine Learning Engineering, Systems Engineering for Machine Learning, Advanced Statistics, Data Structures, Algorithms, Linear Algebra

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## Professional Experience

**Data Engineer, Algolia**, Los Angeles, CA, Remote **(March 2024 – Present)**

- Develop data pipelines using **Python, SQL, dbt and Airflow** to process more than 3 million user events a day
- Deploy statistics models, including **NDCG calculations and beta distributions**, to predict search and browse uplift
- Complete more than 40 value engineering motions for prospective customers which total **more than 2 million in additional ARR**
- Create, maintain, and update a **Golang backend** that provides valuable analysis to Algolia Sales Engineers for prospective clients

**Senior Developer Support Engineer, Algolia**, Los Angeles, CA, Remote **(2022 – 2024)**

- Solved more than **50 technical customer cases per month**, providing technical expertise for Algolia API Clients
- Served as the **AI subject matter expert**, taking charge on all Algolia Recommend and vector search cases
- Presented an analytics solution built with Algolia and Google Tag Manager the 2023 annual DevCon to **more than 1,000 participants**
- Served as the Click and Conversion Analytics (Insights API) subject matter expert, providing technical expertise on particularly challenging customer cases
- Interviewed and mentored new hires to bring them up to speed on API development and Algolia implementations

**Technical Account Manager, Algolia**, Los Angeles, CA, Remote **(2021 – 2022)**

- Served as the technical champion for over 25 clients to guide them to the best search solution for their platform
- Led onboarding workshops, presented technical solutions, and solved data and search related problems for clients using the Algolia Search and Discovery platform
- Assisted in the installation, development, and use of Algolia API Clients, front end libraries, and custom integrations
- Built and maintained client relationships to power search, discovery, and recommendation platforms

**Senior Technical Consultant, Huron Consulting Group**, Portland, OR/ Remote **(2020 – 2021)**

- Led project as senior technical lead resulting in completion 2 months ahead of schedule and saving over \$100,000 in resources
- Communicated with over 10 clients from medical schools and other universities to develop research compliance software tailored to client needs
- Designed, built, and deployed solutions used by **more than 30,000** users on a daily basis
- Conducted database conversions from external Grants database to Huron SaaS solution SQL databases
- Developed a tool for client conversions to help streamline the process for future projects

**Technical Consultant, Huron Consulting Group**, Portland, OR **(2018 – 2020)**

- Created efficient and compliant client solutions using research ethics regulations
- Develop compliance software using JavaScript and SQL for research ethics boards and grant management
- Developed an API to integration Huron's solutions with DocuSign, revitalizing internal technical processes
- Mentored new hires, including teaching basics of object-oriented programming and consulting introduction

**Americorps Member, New Avenues for Youth**, Portland, OR **(2017-2018)**

- Built curriculum and tutored GED students experiencing homelessness and lived in community with other Americorps volunteers, focusing on simple living, and social and ecological justice