

Emma Di

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EDUCATION

Stanford University

Stanford, CA

B.S. Computer Science (HCI), Minor in Management Science & Engineering | GPA: 4.0/4.0

June 2028

- **Coursework:** Data Structures & Algorithms, Analysis of Algorithms, Computer Systems, Large Language Models, Programming Abstractions, Convex Optimization, Probability Theory, Linear Algebra
- **Activities:** Stanford Wind Symphony, Counterpoint A Cappella (Music Director), Women in Computer Science, University of Oxford Visiting Student (Tutorial in Social Psychology, Comparative research on Global Platform Regulation and AI Ethics)

EXPERIENCE

Ditto – Campus Matchmaker

San Francisco, CA

Product & Full Stack Software Engineer — DRI, Retention, Match Prioritization, Automated Matching Algorithm

May 2026 – Present

- Owned the Pause Revamp as **engineering DRI and acting PM**, defining the project's first measurement plan and shipping the pause flow, timed auto-resume, and account-settings exit hub to **~18K users** in one week.
- **Reduced user deactivations by 19%** across matched 11-day periods; drove timed pauses from 0% to 18% of all pauses and made the new flow the product's **largest single system sweep** and retention channel.
- Built an exit-reason survey that routed users to targeted alternatives, leading **~22% of routed users** to abandon deactivation.
- Designed and shipped a post-date feedback system that **continuously learned user sentiment** and dating preferences through a **chatbot skill** with a 24-hour response window and safety escalation; now the primary signal source for the sentiment system.
- Designed and shipped the production sentiment-flagging system, now scoring the full active user base; defined a **per-surface architecture** (chatbot vs. matching) instead of a single blended sentiment score.
- Built and shipped a three-tier match-priority system for the weighted Gale-Shapley / Edmonds' Blossom matcher; increased guaranteed-user coverage from **37%→87%** in production while reducing total matches by only 2.5%.

Stanford Management Group

Stanford, CA

VP of Account Management; Client engagements: Google, Palantir, Bell

September 2024 – March 2026

- Google (Pixel Studio): Evaluated creative-tooling workflows and turned **20+ user interviews** into 8 prioritized design recommendations, backed by Figma prototypes and mockups.
- Palantir: Revamped the global careers site and candidate experience for early-career talent; synthesized **100+ user and market interviews** into design strategies anticipating applicant and recruiter needs.
- As VP of Account Management, led the 6 project managers running each term's engagements, owning client onboarding, scoping, and milestone tracking across engineering and design deliverables.

Stanford Causality in Cognition Lab, Department of Psychology

Stanford, CA

Behavioral Data Analysis Research Assistant

June 2025 – September 2025

- Built data pipelines and statistical models over trial-level experiments on counterfactual reasoning and computational causal judgment, with physics-simulation analysis and Python/R visualizations.

Oregon State Collaborative Robotic Intelligent Systems Institute (CoRIS)

Corvallis, OR

Machine Learning Research Assistant

June 2022 - November 2023

- Trained a YOLOv8 (PyTorch) perception model to localize apples for real-time robotic harvesting — **100% accuracy** unoccluded, 86% under occlusion in field tests; presented **first-author** findings at ICRA '23.

CS106 Section Leader

Stanford, CA

TA for Stanford's largest CS course

September 2025 - Present

- Teach weekly sections of 12 students in Python/C++; debugged 50+ submissions across recursion, dynamic memory, etc.

PROJECTS

[The Yearbook — Social Growth Surface](https://ditto.ai/the-yearbook) (ditto.ai/the-yearbook)

San Francisco, CA

Full-Stack Developer — React, TypeScript, MongoDB

June 2026

- Built and owned a friends-vote game end to end across 6 scored dimensions feeding LLM-generated archetypes.
- Designed the results page as a reactivation bridge into Ditto, with attribution instrumented from CTA to onboarding.
- 844 launch visitors; 84% of joiners finished questions and 47% of rooms fully completed.

[Atria – AI Hospital Bed Allocation Tool](https://devpost.com/software/atria-az68sw) (devpost.com/software/atria-az68sw)

Stanford, CA

Full-Stack Developer — Next.js, TypeScript, Three.js, WebSockets, Python

TreeHacks 2026

- Scoped the product around hospital discharge, bed, and staffing calls made without risk forecasting, splitting it into two surfaces for two users: an operator command center and nurse-facing shift handoffs.
- Built the real-time operator interface over a **multi-agent backend**, streaming every agent decision so staffing calls stay auditable before execution (**human-in-the-loop by design**), plus a 3D digital twin replacing spreadsheet triage.

[dawaShare – Community Rideshare](#)

Stanford, CA

Solo Developer – JavaScript, Google Apps Script

December 2025 - March 2026

- Identified a transportation gap for students during campus breaks; scoped and shipped an MVP matching platform supporting 400+ posted rides, now expanding campus-wide with Students for a Sustainable Stanford.

SKILLS

Product: PRDs, metrics & instrumentation, funnel/cohort analysis, survey design, user research, prioritization & sequencing; Linear, PostHog

Technical: Python, TypeScript/JavaScript, C++, C, Java, R; React, Next.js, Node, Flask; MongoDB; Git, Docker, CI/CD

AI/ML: LLM agents & chatbot skill design, evals & shadow testing, classifier design, MCP servers, NLP, PyTorch, computer vision (YOLOv8, OpenCV)