

Henry Weng

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EDUCATION

Stanford University

B.S, Computer Science & Economics

GPA: 4.09/4.0

Coursework (for grad-level):* NLP with Deep Learning*, Operating Systems, Artificial Intelligence*, Machine Learning*, Data Structures & Algorithms, Entrepreneurial Marketing*, Market Design*, Interactive Learning*, Developmental Psychology

WORK EXPERIENCE

Co-founder & Product Engineer

Oct 2022 - Sep 2023

Hazel (PearX W23) – Seed-stage AI proptech startup

Menlo Park, CA

- Took a gap year to build an AI-powered workflow automation platform for real estate agents
- Worked cross-functionally to scope, build, and ship critical features including talk-to-your-CRM, automated transaction management, and auto-generated to-do lists: conducted user interviews for 200+ realtors and wrote 40K+ lines of code
- Conducted early sales and product marketing, helping close over \$250,000 annual recurring revenue in letters of intent
- Pitched to 2,000 investors at Pear VC's W23 demo day, kickstarting an oversubscribed \$X million fundraiser

Software Engineer Intern

Jun 2022 - Aug 2022

Dover (YC S19) – Series A recruiting-tech startup

San Francisco, CA

- Owned AI insights for the resume review page: scoped feature, wrote PRD, and collaborated cross-functionally with EPD to launch the feature, resulting in 18% increase in MAU for the feature
- Led development of a fully customizable onsite interview scheduling tool, synced with Google Calendar
- Built API endpoints for data ingestion and enrichment of 100M candidate profiles using Django

Research Engineer Intern

Jun 2021 - Dec 2021

Stanford Future Data Systems Group

Stanford, CA

- Built a differential privacy module for Karl, enabling anonymous data aggregation on smart home devices
- Created the project website and implemented topological sort for the system's graph visualization UI

PROJECTS

Polyjobs (Next.js, Tailwind CSS, Supabase, React.js)

- Built a platform to pre-screen software engineering candidates and match them with startups that would be a great fit
- Closed \$50K+ in contingency contracts from startups within two months of launch

Deep RL for VC Investment Decision Making (Python, OpenAI Gym)

- Implemented PPO and DQN to train RL agents to make decisions on whether a VC should meet with or invest in a company in a simulated environment. Achieved 75% of oracle performance

Pairology (Next.js, Tailwind CSS, Firebase, React.js)

- Built and scaled a matchmaker for meaningful friendships to 1,000+ users and 3,000+ in-person meetups
- Conducted 50+ user interviews, defined product vision, planned sprints, and executed a product marketing campaign across 6 universities. Met 3 of my closest friends through the platform.

SKILLS

Programming: TypeScript, React, Python, Next.js, JavaScript, C++, Java, Tailwind CSS, Figma, SQL

Non-technical: Product Management, User Interviews, Copywriting, Communication, Leadership, UX Design

AWARDS & HONORS

- US Computing Olympiad Gold
- Pear VC Garage Fellow
- National Merit Scholar
- US Physics Olympiad Semifinalist
- 3x Hackathon Winner
- Eagle Scout