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*, Matching & Market Design*, 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 operating system for realtors (think Siri for realtors)
- Worked cross-functionally to scope, build, and ship critical features like hold-to-talk on mobile, talk-to-your-CRM, and automated 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 fundraise

Product 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

Software 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 IoT 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 match startups with their best-fit software engineering candidates
- Scaled to 200+ candidates and $50K+ in contingency contracts 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+ 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
- US Physics Olympiad Semifinalist
- Pear VC Garage Fellow
- 3x Hackathon Winner
- National Merit Scholar
- Eagle Scout