

# Grace Zhang

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## EDUCATION

### Stanford University

B.S. Computer Science, Human Computer Interaction

GPA: 3.9

Stanford, California

June 2023

## WORK EXPERIENCE

### Orchard Robotics (seed-stage startup backed by General Catalyst, Contrary, Soma Capital)

Bellevue, WA

Founding Engineer (2<sup>nd</sup> Engineer on team)

Feb 2023 – Present

- Own the entire stack from the ground up for the user-facing FruitScope Live and FruitScope Cloud web-application, leveraging MongoDB, Flask, and React. Both platforms are utilized by all our customers daily.
- Implemented and optimized data ingestion pipeline to handle growers' integrated orchard data, including millions of fruits and trees over the entire fruit lifecycle and growing season.
- Built entire FruitScope featureset to aid growers and packhouses with an actionable UI, including live MapBox integrations, data visualizations, exports and 3<sup>rd</sup> party integrations, growth, harvest, and packout predictions.

### Meta (Facebook Core Ad Experiences)

Menlo Park, CA

Software Engineering Intern

June 2022 – September 2022

- Created a new page in the ACO Portal that automates Ad Creative Optimization feature testing (Hack, React, SQL)
- Introduced tooling for metrics and usage tracking across the entire suite of ACO Portal tools for ad optimizations.
- ACO Portal tooling is used by all ad-related teams and initiatives across the FB organization for dev optimization.

### Meta (Community Sustainability)

Menlo Park, CA

Software Engineering Intern

September 2021 – December 2021

- Built a new module in the FB Shop Tab that highlights popular Group Shops. (Hack, React Native, Relay)
- Created new notifications to increase Groups exposure, including user joining and linking shops to a group.

### Amazon (AWS Personalize)

East Palo Alto, CA

Software Development Engineering Intern

June 2021 – September 2021

- Implemented new customer-facing APIs in Java using Amazon's proprietary RPC framework (Coral) to handle tagging resources in the AWS Personalize service.

### Harness (via Stanford Pre-Business Association)

Stanford, CA

Project Lead

March 2021 – June 2021

- Led a team of 10 marketing consultants to work closely with Harness on improving their go-to market strategy and prepare for the launch of both their open-source and enterprise CI/CD tools for DevOps engineers and companies.
- Facilitated weekly meetings, prepared teaching presentations, and worked directly with Harness Head of Growth to coordinate strategy.

## PROJECTS

### rizzcipe (Mobile App)

2023

- Designed and built an app that recommends recipes to a user based on a picture of their fridge. (React Native)
- Leveraged Facebook's Segment Anything Model for segmentation, fine-tuned a ResNet model for classification, integrated with the OpenAI api for recipe recommendations based on identified ingredients.

### Stamp Assembly (Product Design)

2022

- Built a rotary-actuated stamp machine with digitally fabricated, laser cut, 3D printed parts and hardware. (CAD)

### Attenshown (Web App)

2022

- Built a novel full-stack video recommendation web application e2e driven by attention state and explicit user input.
- Implemented a heuristics-based algorithm that uses content metadata and user-based attributes to classify content into different attention viewing modes, with user-in-the-loop updates real time for serving content.

### barefoot (Mobile App)

2021

- Built a mobile application that promotes sustainability by immersing people in their natural environment while exploring walks and trails in the area. (Figma, React Native).

## PERSONAL PROJECTS

### Light-Up Fishbones Mini

2023

- 3D printed and hand-painted a miniature model of Fishbones (from League of Legends/Arcane), wired and soldered NeoPixels and programmed a Teensy to display custom light sequences on keyboard/mouse interactions.

### Things I'm Learning

2023

- Dabbling in more embedded and mechanical projects by playing with CAD and microcontrollers.
- Making my own jewelry, modding customized Hot Wheels, painting on anything and everything!