

# MELODY WEI



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## Skills

### PROGRAMMING

Java

Python

Javascript

HTML/CSS

React

Typescript

React Native

Ruby on Rails

C++

Android Studio

Web Development

Mobile Development

## Education

University of California, Berkeley

Aug. 2016 to Dec. 2019

Bachelor of Science Electrical Engineering and Computer Science 2019

## Employment

Affirm

San Francisco, CA

Software Engineer

Feb. 2020 to Current

- Led the Rebrand project for Merchant Portal that increases brand awareness, introduces colors that inspire and delight, and position ourselves with merchants to compete more successfully in the market.
- Made the integration process accessible to merchants before approval, **increasing integration conversion by 5%**.
- Added video guidance for merchant's activation process with Affirm, **increasing 30-day activation rate by 5%** and **decreasing activation time by 5%**.
- Created Split Capture feature for all merchants, **increasing Gross Merchandise Value by \$250mm**.
- Used React and Python

Software Engineer Intern

San Francisco, CA

Sept. 2019 to Nov. 2019

- Wrote Luigi tasks to scan loans which have been in Afni's possession (one of Affirm's collection partner) for longer than 6 months, and sending them to TrueAccord (another collection partner).
- Used Python and SQLAlchemy.
- Projected to save Affirm \$7M in servicing costs in 2020.

Microsoft

Redmond, WA

Software Engineer Intern

May 2019 to Aug. 2019

- Built a first-party diagnostic Add-in for Excel that fetches runtime log info internally and displays log entries with web UI. The app includes filter and search bar features.
- Used Typescript for web frontend and C++ for Excel's internal backend code base.

Mammoth Media

Santa Monica, CA

Android Developer Intern

May 2018 to Aug. 2018

- Used Android Studio (Java and HTML/CSS).
- Implemented new frontend features for Android app Yarn (ex. Fullscreen expansion of images in chat screens when tapped).
- Redesigned UI for Yarn's different screens (ex. Updated Yarn's splash screen and catalog display, redesigned Yarn's chat screen with animations, new chat bubble shapes and colors, left/right alignment of chat bubbles, character avatars, etc).

Google

Taipei, Taiwan

Engineering Practicum Intern

June 2017 to Aug. 2017

- Made a new tab feature for the user interface of an internal hardware testing program (used by Google's ChromeOS factory team).
- Used Javascript and CSS for frontend, Python for backend.
- Allows parallel running of multiple tests on the user interface where the users can view different test frames simultaneously by navigating through the tabs.

## Projects

San Francisco Art Institute

Aug. 2018 to Dec. 2018

Built a website for students at San Francisco Art Institute that allows them to display and sell their artworks online, as well as communicate with buyers in order to complete the transactions.

Homepointr

Jan. 2019 to May 2019

Developed a website that helps match homeless individuals with available housing, allowing better facilitation of the process and communication and better organization of large amount of data.

## Activities

Blueprint, Technology for Nonprofits · Developer/Project Leader

Aug. 2017 to Current

Develops software pro bono for nonprofits and promotes technology for social good.