# Mark Tai Coding for work and fun

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#### SUMMARY

- Well-rounded senior engineer who adapts easily and works well with others
- Areas of experience: developer infrastructure, full stack, mentorship, board games, traditional jazz, cocktails

# **WORK EXPERIENCE**

JUL 2018-SEP 2022

JUL 2021

SENIOR SINCE

#### Airbnb, Senior Software Engineer on CI Infrastructure, San Francisco, CA

- Improved Java monorepo's enqueue to merge time by 60% on Evergreen merge queue system
- Migrated all monorepos to Evergreen merge queue system and fully deprecated old solution
- Architected and coordinated consolidation onto singular CI Platform for both iOS and Linux
- Architected and built Test Levels data aggregation and dashboard; all Airbnb orgs adopted
- Worked across Developer Platform to instrument, connect, and visualize developer experience
- Architected and built executor for monolith's test suite across 30 instances and 20 processes
- Improved CI Platform uptime, reducing incidents by 67%, improving uptime from 99% to 99.7%
- Won several security hackathon competitions where team discovers and exploits vulnerabilities

MAY-AUG 2017

## Airbnb, Software Engineering Intern on CI Infrastructure, San Francisco, CA

- Created new build process using Docker environments rather than separate AWS environments
- Onboarded key projects to this new build process to demonstrate viability
- Over the next 2 years, intern project was extended to become Airbnb's CI Platform

OCT 2016-MAY 2017

#### PlayFull, Software Engineer, Los Angeles, CA

- Created responsive website beplayfull.com
- Created full stack responsive, live dashboard and met with business customers to onboard
- Created UI for interactive, in-store Raspberry Pi displays shown at every customer restaurant
- Managed 2017 internship program, including interview process, candidate selection, onboarding

JUN-SEPT 2016

#### Facebook, Software Engineering Intern on Ads Targeting Product, Menlo Park, CA

- Improved ad creation flow search dropdown in both front-end and back-end
- Analyzed data and learned user behavior to deliver best consumer facing product

JUN-SEPT 2015

#### Ooyala, Software Engineering Intern on Developer Infrastructure, Santa Clara, CA

- Created website with AngularJS, Bootstrap, Go, AWS, and Chef to troubleshoot Atlantis platform
- Identified and fixed bugs and added features in components of the Atlantis platform

SEPT 2015-Jun 2018

# TBP Engineering Tutor, UCLA, CA

- Tutoring both CS and other engineering classes with honor society Tau Beta Pi
- As VP, managed tutoring, midterm reviews, school outreach, website, and internal socials

SEPT 2009-SEPT 2015

#### Math Tutor, Fremont, CA

- Prepared lessons and tests for current and future material for many math subjects
- Customized teaching approach and speed to challenge students and ensure retention

MAR-JUN 2014

#### Mobile App Developer, Curveball, Fremont, CA

- Designed, coded and tested a fully fleshed out mobile app game that is a unique twist on Pong
- Since the game's launch in April 2014, has 2,000+ downloads with a 4.2 out of 5 stars

## **EDUCATION**

SEPT 2014- University of California, Los Angeles: Computer Science

JUN 2018 • GPA: 3.8/4.0, cum laude, officer of Tau Beta Pi and Upsilon Pi Epsilon

#### Links

Website | marktai.com

GITHUB | github.com/marktai