Mark Tai · Coding for work and fun

Email: mark@marktai.com
Address: Fremont, CA
Phone: (510) 578-8246

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

Senior since Jul 2021

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
Jun 2018

Tau Beta Pi, UCLA, CA
- Tutored both CS and other engineering classes with honor society Tau Beta Pi
- As web lead, managed team of 3 people to maintain and improve website
- 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-Jun 2018

University of California, Los Angeles: Computer Science
- GPA: 3.8/4.0, cum laude, officer of Tau Beta Pi and Upsilon Pi Epsilon honor societies

Links

Website | marktai.com

Github | github.com/marktai