Mark Tai · Coding for work and fun

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SUMMARY

- Well-rounded senior engineer with numerous passions who adapts easily and works well with others
- **Experienced in:** developer infrastructure, full stack web, security, mentorship, board games, traditional jazz

WORK EXPERIENCE

JAN 2023 - ONGOING

interviewing.io, **Professional Technical Interviewing Coach**, All around the world!
- Guided 50+ mentees to build interviewing skills and confidence to land FAANG+ offers
- Featured on interviewing.io showcase, and mentees have booked me from this page
- $560 per session on interviewing.io and pro bono coaching for UCLA students + URM students
- Composed own platform for pro bono coaching with scheduling, Slack, and code environments

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 100% consolidation onto CI Platform for both Linux and iOS envs
- Architected and built Test Levels data aggregation and dashboard that all Airbnb orgs adopted
- Coordinated across Developer Platform to architect, instrument, and visualize productivity
- Architected and built monolith's new test executor, parallel with 30 instances and 20 processes
- Improved CI Platform reliability: reduced incidents by 67% and overall 99% to 99.7% uptime
- Won several CTF security competitions: team discovers and exploits security vulnerabilities

MAY - AUG 2017

Airbnb, **Software Engineering Intern on CI Infrastructure**, San Francisco, CA
- Created new CI workflow using Docker environments rather than separate AWS environments
- Over the next 2 years, my intern project was extended to become Airbnb's CI Platform

OCT 2016 - MAY 2017

PlayFull (8 people startup), **Software Engineer on all products**, Los Angeles, CA
- Built responsive homepage beplayfull.com, working with the CEO / designer
- Made full stack, responsive, live dashboard and met with business customers to onboard
- Created app for interactive, in-store Raspberry Pi displays shown at every customer restaurant
- Managed 2017 internship program: 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 with full stack web
- Analyzed usage data and learned user behavior to deliver best customer product

SEPT 2015 - JUN 2018

Tau Beta Pi (Engineering Honor Society), **Vice President and Website Lead**, UCLA, CA
- VP: managed tutoring, midterm reviews, school outreach, website, and internal socials
- Web: managed team of 3 to maintain full stack website + email server and migrated to AWS
- Gave weekly free tutoring for computer science and other engineering classes

EDUCATION

SEPT 2014- JUN 2018

University of California, Los Angeles: Computer Science
- GPA: 3.8/4.0, cum laude; participated in: UCLA Devx, ELFIN Satellite, UPE web chair, IEEE

FUN PROJECTS

Blog: MARKTAI.COM	My travel, passions, and tech blog + email server I've maintained since 2015
Board Game: MOOTROPOLIS	Developed a unique board game with custom art during the pandemic
Web Game: CLOVER	Ported So Clover! into a website; played over 250 times with friends
Jazz: ARRAGEMENTS	Arranged a 5-part a capella for my family; 50+ more in music.marktai.com
Jazz: CHORD PRACTICE	Website for my mom and sister to learn jazz piano to play with me on sax
Party: CHARITY CASINO	Hosted a charity casino night with inclusive rules and raised $940
Cocktails: 24HOURLIMES.COM	Devised own custom cocktails and displayed in card game menu