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 Interview Coach**: All around the world!
- Coached 50+ mentees to build interviewing skills and confidence to land FAANG+ offers
- Featured on interviewing.io showcase, and new mentees have booked me from this page
- $560 per session on interviewing.io, and pro bono for UCLA students + disadvantaged 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
- Coordinated and migrated all monorepos to Evergreen system, and fully removed old solution
- Architected and coordinated 100% consolidation onto the CI Platform for both Linux and iOS envs
- Architected and built Test Levels data aggregation and dashboard that all Airbnb orgs adopted
- Coordinated Developer Platform and architected both measures and charts of productivity metrics
- Architected and built monolith's new test executor, parallelized with 30 instances and 20 processes
- Improved CI Platform reliability: reduced incidents by 67% and improved 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 next 2 years, my intern project was extended by CI Infra 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

UCLA Tau Beta Pi - **Engineering Honor Society, Vice President and Web Lead**: UCLA, CA
- VP - managed 15 people: tutoring, midterm review, school outreach, web, and social officers
- Web - led team of 3 to maintain full stack website + email server and migrated to AWS
- Conducted 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 I've updated since 2015
Board Game - MOOTROPOLIS	Developed a unique board game with custom art during the pandemic
Web Game - CLOVER	Ported So Clover! to a website, and played over 250 times with friends
Authentication - SERVICE	Modern techniques: bcrypt password hashing, time + user secret + URL HMAC
Jazz - ARRAGEMENTS	Arranged a 5-part a capella for my family, and 50+ more at 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 card game menu to order from
All at - 52.11.108.65	Email server, file upload + download service, factorio server, and more to come!