# 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

## Software 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 3 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

## Other Experience

**Apr 2024 - Apr 2025**

**PADI Scuba Diving Instructor**: Bay Islands, Honduras
- Taught new divers how to safely dive and have fun! (divewith.marktai.com)
- Lead divers on dive sites at a relaxed pace while pointing out cool fish and other sights

**Sept 2014 - Jun 2018**

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

**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

## Fun Projects

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| Blog - marktai.com | My travel, passions, and tech blog I've updated since 2015 |
| Cocktails - 24hlimes.com | Devised own craft cocktails, card game menu, and beautiful site |
| 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 |
| Jazz - Arragements | Arranged a 5-part a capella for my family, and 50+ more at music.marktai.com |
| Party - Charity Casino | Hosted a charity casino night with inclusive rules and raised $23,000 |