

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 | **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 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 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

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|------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| 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! to a website, and played over 250 times with friends |
| AUTHENTICATION: SERVICE | Modern techniques: bcrypt password hashing, time + user secret + URL HMAC |
| JAZZ: ARRANGEMENTS | 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 |