

Tianyao (Till) Chen

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EXPERIENCE

Meta

Software Engineer, Facebook Partnership Ads Team

04/2024 – Present

- Led Android development of the Reels Header Fix, improving ad performance metrics (+1.8% CVR, +3.85% CTR).
- Built Instagram Account Backed Pages (IABP) for Android Newsfeed & Reels, driving \$100K+ daily revenue.
- Drove the full-stack development of Ad UFI Save, contributing +0.07% incremental Facebook revenue.
- Shipped multi-entity ad formats on Android, including Dual Picture and Partnership Ads Dynamic Ads (PAxDA).
- Scoped and built Floating CTA and Ad Code on Android, streamlining ad creation and improving UX consistency.
- Spearheaded the development of a client side logging system and dashboard, improving mobile feature observability.
- Utilized: Kotlin, PHP, Android SDK, GraphQL, Litho, Yoga, JUnit, PHPUnit, Buck.

Amazon

Software Engineer Intern, Amazon Luna Team

06/2023 – 09/2023

- Spearheaded the full-stack development of the [Amazon Luna](#) browse page and homepage carousel from requirement gathering to deployment, including implementing the front-end interface, backend APIs, integration, and testing.
- Boosted search engine visibility and improved search ranking by implementing SEO meta tags and structured data.
- Enhanced the share feature by decoupling it from products, ensuring broader applicability on browse and store pages.
- Utilized: Java, TypeScript, JavaScript, Spring, React.js, Android SDK, Lombok, Gson, JUnit, Mockito, Jest.

Autodesk

Software Engineer, AutoCAD Mobile Team

12/2021 – 08/2022

- Developed core app logic, consumed backend REST APIs, built UIs, and implemented Mixpanel analytics events for the [AutoCAD](#) Android app, improving the experience for 10+ million users through a unified subscription type.
- Pioneered the Android 12 migration for the [AutoCAD](#) app by updating dependencies and addressing deprecations.
- Established UI test pipelines in Python with Zephyr REST APIs, synchronizing Firebase Test Lab results with Jira.
- Utilized: Kotlin, Python, Android SDK, Coroutines, LiveData, Dagger, Retrofit, KMM, Espresso, JUnit, Mockito.

TeamViewer

Software Engineer Intern

10/2020 – 05/2021

- Created a shared library for onboarding screens and asynchronous rendering of offline EULA files, elevating the experience for 60+ million users across TeamViewer [Remote Control](#), [QuickSupport](#), and [Assist AR](#) Android apps.
- Implemented UIs, notifications, the QR code scanner, and integrated backend APIs for the Android 2FA feature.
- Championed and built TeamViewer and CyberArk REST API pipelines in Kotlin for automated Android UI tests.
- Utilized: Kotlin, Java, C++, Android SDK, Coroutines, LiveData, Volley, Android NDK, UI Automator, JUnit.

Twenty Billion Neurons (Acquired by Qualcomm)

Software Engineer Intern

06/2020 – 09/2020

- Strengthened the Python core engine and proactively contributed to the iOS frontend for an ML-driven fitness app.
- Utilized: Python, Swift, Objective-C, iOS SDK, Jenkins, Pytest, XCTest.

EDUCATION

University of California, Irvine

Master of Software Engineering

09/2022 – 12/2023

Jacobs University Bremen

Bachelor of Science in Computer Science

08/2018 – 06/2021

PROJECTS

Crypto Fear & Greed Index | *Kotlin, Android SDK, Coroutines, LiveData, Retrofit, Moshi, Google Play Billing*

- Published an Android cryptocurrency market sentiment app with 10k+ installs and a 4.7-star rating on [Google Play](#).

JStore: A Marketplace for Jacobs University Bremen | *Java, Swift, Android SDK, iOS SDK, Firebase*

- Created a marketplace mobile app for my university, amassing 1k+ users. GitHub repositories: [Android](#) & [iOS](#).

TECHNICAL SKILLS

Kotlin, Python, Java, PHP, Swift, SQL, JavaScript, TypeScript, C++, Android SDK, iOS SDK, Spring, React.js.