

Tianyao (Till) Chen

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EDUCATION

University of California, Irvine

Master of Software Engineering

Irvine, CA

09/2022 – 12/2023

Jacobs University Bremen

Bachelor of Science in Computer Science

Bremen, Germany

08/2018 – 06/2021

EXPERIENCE

Amazon

Software Engineer Intern

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.
- Ensured the cross-platform compatibility for the feature across desktop Web, mobile PWAs, and native Android.
- 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, JSP, Junit, Mockito, Jest.

Autodesk

Software Engineer

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

TD Tech

Software Engineer Intern

06/2019 – 08/2019

- Implemented three key app logic features for two enterprise-level Android apps, improving functionality and UX.
- Utilized: Java, C++, Python, Android SDK, Android NDK, SQLite, Dagger, Jenkins, JUnit, Mockito, Espresso.

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](#).

MailBag: A Webmail System | *TypeScript, JavaScript, React.js, Node.js, Webpack, AJAX (Axios), NeDB*

- Built a full-stack Webmail app capable of interacting with SMTP/IMAP mail systems. Available on [GitHub](#).

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

Programming Languages: Kotlin, Python, Java, Swift, SQL, JavaScript, TypeScript, C++, C, HTML, CSS.

Frameworks & Tools: Android SDK, iOS SDK, Spring, React.js, Node.js, Flask, Firebase, MongoDB, MySQL.