



# TIANYAO CHEN

Mobile (Android & iOS) Engineer. Exploring Web Backend, ML, and Data Science.

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## 🎓 EDUCATION

**Jacobs University Bremen**, Bremen, Germany 2018/08 – Present

*B.S. Computer Science, Class of 2021*

- Featured courses: Algorithms & Data Structures, C & C++, OS, DB, Software Engineering, ML.

## 👤 EXPERIENCE

**Jacobs University Bremen**, Bremen, Germany 2020/02 – Present

*Teaching Assistant*

- Grading homework, exams, and giving tutorials for: Algorithms and Data Structures.
- Leveraged knowledge: Algorithms & Data Structures, Java, C++, Python, C.

**Jacobs University Bremen**, Bremen, Germany 2019/09 – 2019/12

*Teaching Assistant*

- Graded homework, exams, and gave tutorials for: Intro to CS, Data Management (from Data Engineering).
- Leveraged knowledge: Haskell, MySQL, Python, GCP, General Computer Science.

**TD Tech**, Beijing, China 2019/06 – 2019/08

*Software Engineer Intern*

- Continuously and efficiently delivered significant features to enterprise Android apps on top of the AOSP.
- Wrote comprehensive Python and Batch scripts, which automated the Android custom ROM upgrading process for enterprise Android devices and reduced the upgrade time by at least 67%.
- Leveraged knowledge: Android Development (Java), Git, Scripting, Debugging, SQLite, Linux.

## ⚙️ PROJECTS

- **Personal Website**: <https://tillchen.com> (for additional info, projects, testimonials, and tech blog.)
- **JStore (Android): Marketplace for Jacobs University** [https://github.com/tillchen/JStore\\_Android](https://github.com/tillchen/JStore_Android)
  - Single-handedly built the Android app that enables students on campus to sell and buy items with ease.
  - 100+ commits. 5000+ LOC (Java + XML). 600+ registered users. Available on [Google Play](#).
  - Utilized: Java, Android Jetpack, Firebase (Auth, Cloud Firestore (NoSQL), Storage (GCP)).
- **JStore (iOS): Marketplace for Jacobs University** [https://github.com/tillchen/JStore\\_iOS](https://github.com/tillchen/JStore_iOS)
  - Single-handedly building the iOS app that enables students on campus to sell and buy items with ease.
  - 90+ commits. 2000+ LOC (Swift). 600+ registered users. Available on [App Store](#).
  - Utilized: Swift, iOS SDK, Firebase (Auth, Cloud Firestore (NoSQL), Storage (GCP)).
- **4minitz - Meeting Minutes Web App**: <https://minitz.jacobs.university>
  - Deployed, modified, and maintaining the open source web app [4minitz](#) from [GitHub](#) on a Debian server.
  - Utilized: Docker, Nginx, Certbot, cron (auto certificate renewal), JSON, Linux commands, Vim, SMTP.

## 🛠️ SKILLS

- **Java, Swift, C++, Python, Kotlin, C, Go, JavaScript, Android SDK (Android Jetpack), iOS SDK, Git, SQL, Bash, Firebase (NoSQL), Batch**; Spring, HTML/CSS, GCP, Docker, Haskell.
- Chinese(Mandarin) - Native Speaker; English - Proficient; German - A2, Learning.