

# TIANYAO CHEN

Mobile (Android & iOS) Engineer · Pythonista · ML Enthusiast

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## 🎓 EDUCATION

**Jacobs University Bremen**, Bremen, Germany

2018/08 – 2021/06

*B.S. Computer Science*

- ML, Algorithms & Data Structures, C & C++, OS, DB, Statistical Modeling, Software Engineering.
- Thesis on Deep Learning Object Detection with SSD and Faster R-CNN using TensorFlow.

## 👤 EXPERIENCE

**TeamViewer**, Göppingen, Germany

2020/10 – 2021/05

*Software Engineer (Part-Time) | Software Engineer Intern (Until 2021/01)*

- Delivered two significant features to the TeamViewer for [Remote Control](#) and [QuickSupport](#) Android apps, which have more than 60 million total installations on Google Play.
- Built TeamViewer and Passwordstate REST API pipelines for automated Android UI tests.
- Utilized: Kotlin, Java, C++, Android SDK, MVVM, Coroutines, LiveData, Volley, UI Automator, Git.

**Twenty Billion Neurons**, Berlin, Germany

2020/06 – 2020/09

*Software Engineer Intern*

- Delivered six significant features to the AI fitness app [Fitness Ally](#) by working primarily in the R&D Python team and voluntarily in the iOS team with 10k+ SLOC.
- Built a Python CLI changelog generator inspired by [GitLab](#), which resolved the changelog conflict issue.
- Utilized: Python, Swift, Objective-C, iOS SDK, Bash, Git, Linux, Firebase.

**Jacobs University Bremen**, Bremen, Germany

2019/09 – 2020/05

*Teaching Assistant*

- Graded homework and gave tutorials for: Algorithms & Data Structures, Intro to CS, and Data Management.
- Utilized: Java, C++, Python, C, Haskell, MySQL, GCP.

**TD Tech**, Beijing, China

2019/06 – 2019/08

*Software Engineer Intern*

- Delivered three significant features to two enterprise Android apps on top of the AOSP with 8k+ SLOC.
- Utilized: Android SDK, Java, Python, Batch, Git, SQLite, Linux.

## ⚙️ PROJECTS

- **Personal Website**: <https://tillchen.com> - for additional information, projects, and tech blog.
- **JStore: Marketplace for Jacobs University Bremen - Native Android & iOS Apps**
  - 7k+ SLOC. 1k+ users. Available on [Google Play](#) & [App Store](#). GitHub repos: [Android](#) & [iOS](#).
  - Utilized: Java, Swift, Android SDK, iOS SDK, Firebase (Auth, Cloud Firestore, Storage).

## 💻 SKILLS

- Python, Kotlin, Java, Swift, C++, Dart, C, SQL, Bash, Go, JavaScript, HTML/CSS, Haskell.
- Android SDK, iOS SDK, Flutter, TensorFlow, Git, Firebase, Django, Spring, GCP, Docker.