



# TIANYAO CHEN

*Passionate about Software Development, AI, and Machine Learning. Specialized in Android Development.*

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## 🎓 EDUCATION

**Jacobs University Bremen**, Bremen, Germany 2018/08 – Present  
*B.S. Computer Science, Class of 2021*

## 👥 EXPERIENCE

**Jacobs University Bremen**, Bremen, Germany 2019/09 – Present  
*Teaching Assistant*

- Grading homework and giving tutorials for two courses: Intro to CS, Data Management (Data Engineering).
- Leveraged knowledge: Haskell, MySQL, Google Cloud Platform, General Computer Science.

**TD Tech**, Beijing, China 2019/06 – 2019/08  
*Software Engineer Intern*

- 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%.
- Continuously and efficiently delivered significant new features to enterprise Android apps.
- Leveraged knowledge: Android Development (Java), Version Control (Git), Scripting, Debugging, SQLite.

**Undergraduate Student Government(USG), Jacobs University Bremen** 2018/11 – Present  
*Head of IT Department*

- Deployed, modified, and maintaining the open source web app [4minitz](#) on the university Debian server.
- Maintaining the university Debian and Ubuntu servers and websites in Django hosted on the servers.
- Leveraged knowledge: System Administration (Linux), Web Hosting (Nginx), Docker, Git, LaTeX.

## ⚙️ 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+ hours of development time. 100+ commits. 9000+ lines of code editing. On [Google Play](#).
  - Utilized: Java, Android Jetpack, 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.
- **Alien Invasion - Python Game** [https://github.com/tillchen/Alien\\_Invasion](https://github.com/tillchen/Alien_Invasion)
  - Created a Python video game as my first big project.
  - Utilized: Python, Pygame, Git.

## 💻 SKILLS

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