



# TIANYAO CHEN

*Passionate about Software Development, Artificial Intelligence, and Machine Learning.*

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## 🎓 EDUCATION

**Jacobs University Bremen**, Bremen, Germany

2018/08 – Present

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

- **Finished courses:** Algorithms and Data Structures; Introduction to Computer Science; Programming in C; Programming in C++; Control Systems Engineering; Linear Algebra; Advanced Calculus.
- **Future courses:** Databases and Web Services; Computer Graphics; Software Engineering; Operating Systems; Computer Architecture and Programming Languages; Computer Networks; Machine Learning; Artificial Intelligence; Computer Vision; Robotics; Theoretical Computer Science.

## 👥 EXPERIENCE

**TD Tech**, Beijing, China

2019/06 – 2019/08

*Software Engineer Intern*

- Learned and adhered to secure coding and coding conventions in Java, C, and C++.
- 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%.
- Single-handedly delivered significant new features to enterprise Android apps on various enterprise devices.
- 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 USG constitution written in LaTeX on GitLab.
- 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.

## ⚙️ PROJECTS

- **Personal Website:** <https://tillchen.com> (for additional information, projects, and my tech blog.)
- **4minitz - Meeting Minutes Web App:** <https://minitz.jacobs.university>
  - Deployed, modified, and maintaining the open source web app [4minitz](#) from [GitHub](#) on the Debian server of Jacobs University Bremen with my partner.
  - 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 and maintaining it on Github.
  - Utilized: Python, Pygame, Git.

## 💻 SKILLS

- **Java, Python, C++, C, JavaScript, Swift, Android SDK, Git, SQL, MySQL, Bash, Batch, LaTeX; HTML/CSS, iOS SDK, React, Docker, Nginx, Django, Haskell, MATLAB.**
- **Languages:** Chinese(Mandarin) - Native Speaker; English - Proficient; German - Learning, Basic Level.