



# TIANYAO CHEN

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

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## 🎓 EDUCATION

**Jacobs University Bremen**, Bremen, Germany

2018/8 – Present

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

- **Courses that have been taken:** Introduction to Computer Science (general introduction and functional programming (Haskell)); Programming in C I; Programming in C++ I; General Intelligent Mobile Systems I (robotics, automation, Matlab, Arduino, and Processing); Introduction to Psychology I (Neuroscience, Sensation and Perception, Memory, Learning, Consciousness, and Intelligence.); Advanced Calculus.
- **Ongoing courses:** Algorithms and Data Structures; Programming in C II; Programming in C++ II; General Intelligent Mobile Systems II; Introduction to Psychology II; Fundamentals of Linear Algebra.
- **Courses to take in the future:** 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

**Undergraduate Student Government(USG), Jacobs University Bremen**

2018/11 – Present

*Academic Affairs Committee(AAC) Member and IT Support*

- Deployed, modified, and maintaining the open source web app [4minitz](#) on the university server using docker, nginx, certbot, cron (auto certificate renewal), and JSON.
- Maintaining the USG constitution written in LaTeX on Gitlab.
- Helped to improve the university course registration website [CampusNet](#) by conducting a university-wide survey and providing feedback for the website developers.
- Helping to maintain the university server, the committee homepage, the university [voting platform](#), and other websites hosted on the server.

**MINDS(Modeling Intelligent Dynamical Systems), Jacobs University Bremen** 2018/11 – 2019/2

*Group Meeting Attendee*

- Attended the group meetings and discussed the topics including machine learning, AI, computational neuroscience, the theory of computing, and neuromorphic hardware.
- MINDS homepage: <http://minds.jacobs-university.de>

**Jacobs Selection of the ACM Programming Contest, Jacobs University Bremen**

2018/10

*Participant*

- Won the second place as a three-people team.

## ⚙️ SKILLS

- **Python, C, C++, Git, Bash, LaTeX;** Haskell, Matlab, HTML/CSS, nginx, docker.
- **Languages:** Chinese(Mandarin) - Native Speaker; English - Proficient; German - Learning, Basic Level.