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; Programming in C; Programming in C++; Advanced Calculus.
- **Ongoing courses**: Algorithms and Data Structures; Control Systems Engineering; 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 Debian 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 Debian 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

Research Group Meeting Attendee

- Attended the research 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 ACM Programming Contest, Jacobs University Bremen   2018/10

Participant

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

⚙ Projects

- **Personal Website:** `https://tillchen.com` (for additional information and projects)
- **4minitz(Meeting Minutes Web App):** `https://minitz.jacobs.university`
  - I deployed, modified, and am maintaining the open source web app 4minitz from Github on the Debian server of Jacobs University Bremen using docker, nginx, certbot, cron (auto certificate renewal), and JSON with my partner.

ℹ Skills

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