Kechun Gu

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EDUCATION

Jacobs University Bremen   *Sep 2017 - Jun 2020*
Computer Science (BSc)   *Bremen, Germany*

- Major in Computer Science (BSc).
- Minor in Robotics and Intelligent Systems (BSc).
- Yearly Scholarship for three years by Jacobs University Bremen.

Binghamton University   *Feb 2015 - Jun 2016*
Pre-university Department   *New York State, USA*

- A Certificated Pre-university Program. Students can obtain USA university credits from it.
- First Academic Honor Rewardness of Binghamton University in 2016, USA.
- Second Academic Honor Rewardness of Binghamton University in 2015, USA.

Zhenjiang International High School   *Sep 2014 - Jun 2017*
High School   *Zhenjiang, China*

- Graduated in top 15% of my grade.

PROJECT EXPERIENCE

ScaleML   *Sep 2019 - Dec 2019*
programmer   *Bremen, Germany*

- Advisor: Dr. Peter Zaspel
- Implemented unsupervised learning, for example K-means clustering, with Dask Python Library, a distributed memory parallel library. The correctness of the implementations was assessed using the benchmark dataset from Fundamental Clustering Problems Suite (FCPS).

Pencil Maker Emulator   *Feb 2019 - Jun 2019*
programmer   *Bremen, Germany*

- Advisor: Dr. Peter Baumann
- Used C++ and Qt5 to make a window based emulator game. Pencil making, market analysis, advertisement application emulator, etc. were included in the project. Comprehended the usage of Qt5.

Tutorial Arrangement Website   *Sep 2018 - Feb 2019*
programmer   *Bremen, Germany*

- Advisor: Dr. Francesco Maurelli
- Implemented a website which provides automatically tutorial appointment arrangement service. Its functions include creating a vote for tutorial, sending emails for noticing, predetermining the key part in tutorial and place arrangement, etc. It can improve the efficiency for tutorial preparation. This website was used in Jacobs University Bremen between fall 2018 and spring 2019.

JOB EXPERIENCE

Teaching Assistant   *Feb 2020 - May 2020*
Jacobs University Bremen   *Bremen, Germany*

- Teaching assistant for Human Computer Interaction from Computer Science (BSc). Tasks include grading homework, holding tutorials, and homework preparation.
- The monthly contract working hour is around 40 hours.

Teaching Assistant   *Sep 2019 - Dec 2019*

Jacobs University Bremen   *Bremen, Germany*

- Teaching Assistant for Computer Graphics from Computer Science (BSc). Tasks include grading homework, holding tutorials, and homework preparation.
- The monthly contract working hour is around 20 hours.

Teaching Assistant   *Sep 2019 - Dec 2019*

Jacobs University Bremen   *Bremen, Germany*

- Teaching Assistant for Data Security and Privacy from Data Engineering (MSc). Tasks include grading homework, holding tutorials, and homework preparation.
- The monthly contract working hour is around 20 hours.

ACTIVITY EXPERIENCE

Tutor for Math League   *Jul 2019 - Aug 2019*

Math League   *Beijing, China*

- Tutor for Math League 2019 Tournament. Tasks include tutoring students who attend the tournament and events arrangement.
- Selected as best tutor.

President of Student Government   *Feb 2016 - Jun 2017*

ZJI High School   *Zhenjiang, China*

- Attended the student government and selected as the president.
- Tasks include being in charge of the student government, organizing school's events and being in charge of regular examinations.

Guide Volunteer   *Jul 2016 - Sep 2019*

Zhenjiang Museum   *Zhenjiang, China*

- Selected as the best guide volunteer of 2016.
- Provided free guide service at weekends between July and August in Zhenjiang Museum.

HONORS & AWARDS

- Yearly Scholarship for three years by Jacobs University Bremen.
- First Academic Honor Rewardness of Binghamton University in 2016.
- Second Academic Honor Rewardness of Binghamton University in 2015.
- Top 8% Medal for Math League.
- Third dan for Go rank.

SKILLS LIST

- Languages: English (fluent), German (daily), Chinese (native)
- Programming language: C++, Python, HTML, JavaScript, MySQL
- Courses: Algorithms and Data Structures, Operating Systems, Computer Networks, Machine Learning, Computer Vision, Artificial Intelligence, Robotics, Formal Languages and Logic, Computability and Complexity, etc.