

Chenhe Wang

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EDUCATION

Beijing Institute of Technology

Sep 2016 - Jul 2020

Bachelor, Electronic Information Engineering, School of Informaiton & Electronics

Beijing

- GPA: 87.5/100
- Honors/Awards: Excellent Student Scholarship (2016-2019), Excellent Member In Social Practice (2017), Undergraduate Training Program for Innovation and Entrepreneurship (2017)
- Research Interests: Computer Vision, Machine Learning, Artificial Intelligence

RESEARCH EXPERIENCE

Algorithm Implementation of Automatic Object Azimuth Measurement

Oct 2019 - Present

Graduation Dissertation, Supervised by Dr. L Sun

SIE, BIT

- Learned basic operations and general procedures of image/video processing, learned algorithms of edge detection, corner detection, and feature extraction and detection.
- To complete an object tilt angle measurement system with C++/Python and OpenCV.

Robot Interoperability Research on Location Features

Sep 2018 - Nov 2018

Tester, Supervised by Dr. X Xie

SIE, BIT

- First stage: Configured the initial state of the ultrasonic positioning system and programmed the satellite coordinates of the base station. Recorded the measurement error of the ultrasonic positioning system and analyzed the cause. Improved the measurement scheme to reduce the error caused by improper measurement method.
- Second stage: Studied the positioning principle of UWB module and configured station/tag status of the module base. Calibrated the positioning system through data calibration. Tested the error of UWB positioning system and wrote project summary report.

PROFESSIONAL EXPERIENCE

Datang Telecom Technology & Industry Group

Aug 2019 - Sep 2019

Intern, Mobile Communication Department

Beijing

- Learned key technologies and equipment principles of TD-LTE, learned the 5G industry trends and the IoT framework.
- Deployed and adjusted a base station equipment, operated a protocol consistency instrument to detect mobile terminals.

LEADERSHIP EXPERIENCE

Student Union of School of Information and Electronics

May 2017 - May 2018

Director, Sports Department

BIT

- Held more than 20 sports events including an event with 2k+ people and handled 6w+ activity funds.
- Led the school team to win 12 university-level awards including 2 consecutive championship.

Yanhe Star Volunteers Association

Sep 2016 - Jun 2017

Director, Practice Department

BIT

- Participated in the teaching activities of Fangshan Hope Primary School for 10 consecutive weeks.
- Organized group volunteers in the Fangshan International Long Walking Festival with 1w+ participants.

MISCELLANEOUS

- **Skills:** C/C++/Python (basic), Matlab (basic), assembly language (basic), Verilog HDL (basic), Vivado/Maxplus II (simple FPGA design), HFSS (simple electromagnetic simulation)
- **Certifications:** Python (MOOC certificate)
- **Languages:** English (CET-6 593/ IELTS 7.0/ GRE 320), Chinese (Native)