

# Zibu Wei

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## EDUCATION

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**Tsinghua University, Beijing, P.R.China**

Jun 2023

**Bachelor** of Engineering in Automation

**GPA: 3.73 / 4.00** (Rank: 40/170)

### Core Courses:

Programming Fundamentals(4.0/4.0) C++ Programming(4.0/4.0)

Theory of Automatic Control(4.0/4.0) Fundamentals of Analog Electronics(4.0/4.0)

Operations Research(4.0/4.0) Introduction to Complex Analysis(4.0/4.0) Physics (4.0/4.0)

## SCHOLARSHIPS & AWARDS

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2020 **Samsung Scholarship** (Highest scholarship in Tsinghua sponsored by SAMSUNG, **0.2%**)

2020 **Tsinghua Scholarship**

2020 National Physical Competition for College Students in China, **First Prize**

2020 Social Work Award (**3%**)

2020 Academic Progress Award (**5%**)

2021 Three-Star Volunteers

## RESEARCH INTERESTS

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- **Fields** : Computer Vision, Robotics, Intelligent Transportation
- **Methods** : Deep Learning, Neural Network, Reinforcement Learning

## RESEARCH EXPERIENCES

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**Intelligent Transportation Laboratory, Department of Automation**

Nov 2020 - Jun 2021

Advisor: Prof. Jianming Hu

Project: Research on Vehicle Re-ID based on Intelligent Transportation Systems, Application of AI technology(Computer Vision, Multi-Sensor Fusion) in Intelligent Vehicle Infrastructure Cooperative Systems.

**Robotics Laboratory, Department of Automation**

Advisor: Prof. Yanpin Ren

Project: Program on Lab-Cruising Robot based on ROS with great functions(Speech Interaction, Photograph&Video, Temperature Measurement, SLAM&Navigation, Remote Control, etc.) and it will be applied in labs on floor5 in Main Buiding in Tsinghua.

## SOCIAL WORK

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Student Association of Science and Technology, Tsinghua University, Vice Minister

Public Relations Group, Student Unions, Department of Automation, Security

Student Association of Science and Technology, Department of Automation, Security

School of Aerospace Engineering, Class84, Monitor

Department of Automation, Class92, Commissary in Sports

## **VOLUNTEER**

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Volunteer in 70th Anniversary of the National Day

Volunteer in Collecting Data of Covid-19 Nucleic Acid Detection in Beijing

Volunteer in "Warm&Love" Communication with the "left-behind" Children

Volunteer in Online Teaching Technology Instruction

Volunteer in Tsinghua Propaganda Film Shooting

Volunteer in Engineering Camp "Energy&Power Challenge"

Volunteer in Enrollment of Tsinghua University

Volunteer in Introducing Tsinghua University to Guests