

# JIARUI LI

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Qingdao University Ningxia Road, Laoshan District, Qingdao 202305, China

## EDUCATION

### Qingdao University

Sep 2021 - Jun 2025

Software Engineering Bachelor

GPA: 3.38/4.0 (equivalent to 84/100, top 5%)

Scholarship: Provincial Government Encouragement Scholarship (top 3%), Qingdao University First-Class Scholarship (top 5%, twice)

English Proof

Band Four: **611** (Listening 215, Reading 220, Writing 176)

Band Six: 480 (Listening 151, Reading 175, Writing 154)

### University of Pennsylvania

Mar 2023

Internship: Computer Vision (Mentor: Junyi Geng)

## RESEARCH INTEREST

Computer Vision, Robotics, Unmanned Aerial Vehicle (UAV), Small Object Detection

## EXPERIENCE AND PROJECT

Mar 2023 - Present

**The Robotics Institute**, University of Pennsylvania

Robotics Institute Research Intern

Mentor: Assistant Research Prof. Junyi Geng

- Line Detection and Tracking for Autonomous Exploration
- Proposed a method combined siamese network with LPU (replace RPN)

Apr 2022 - May 2023

### National College Student Innovation and Entrepreneurship Program

Group leader

- Designed a Smart home Internet of Things system
- Applied for a Software Copyright

Apr 2022 - Feb 2023

### Future Institute, Qingdao University

Algorithm Research Intern

Mentor: Research Prof. Shuzhi Ge

Machine version for Radar Detection and Tracking

- Optimized the effect of small object detection and tracking
- Prepared for RoboMaster competition

Aug 2022 - Sep 2022

### Mathematical Modeling

- Designed a model to predict the number of nuclear weapons in the next 100 years.
- Seized Third Prize of the Huasu College Students' Mathematical Modeling Competition.

## HONORS & AWARDS

Provincial Government Encouragement Scholarship (top 3%)

Oct. 2022

Outstanding Student in Qingdao University (top 5%)

Nov. 2022

Qingdao University First-Class Scholarship (top 5%, twice)

Nov. 2022, Mar. 2023

Second Prize for Lanbridge Cup National Software and Information Technology Professionals Competition

Apr. 2023

Third Prize for Huasu National College Mathematical Modeling Competition

Aug. 2022

Third Prize for APMCM Asia College Mathematical Modeling Competition

Jan. 2023

## KEY SKILLS

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**Programming** C/C++, Java, SQL, HTML/CSS/JS, Python

**Libraries** Pytorch, OpenCV

**Others** SPSS, Matlab

**Hobby** Guitar, Basketball,

## PROJECT EXPERIENCE

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National College Students Voluntary Work in Summer Vacation

A Cloud Volunteer Education