北京，中国科学院大学(**Beijing, University of Chinese Academy of Science**)

沈阳，中国科学院沈阳自动化研究所(**Shenyang Institute of Automation, Chinese Academy of Science**)

生日(**Date of birth**)：2001.09.27

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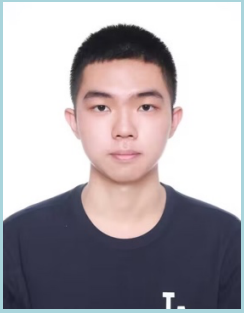

郑佳桐(Zheng Jiatong)

目前在中国科学院沈阳自动化研究所主要进行大语言模型代码生成方向的研究，有志于攻读博士学位专业。 **(I am currently working in Shenyang Institute of Automation, Chinese Academy of Sciences, mainly on code generation of large language models, having a strong willingness in pursuing a PhD.)**

教育背景(**Educational Background**)

2019.9-2023.6

本科(**Undergraduate**)：哈尔滨工程大学(**Harbin Engineering University**)

专业(**Major**)：机器人工程(**Robotics Engineering**)

主修课程(**Major Courses**)：机器人工程专业导论、工业机器人、模拟电子技术、数字电子技术、自动控制理论、自动控制元件、现代控制理论、微型计算机原理与接口技术、机器人动力学、机器人结构设计、机器人视觉测量与控制、现代传感器原理及应用(**Introduction to Robot Engineering, Industrial robot, Analog electronic technology, Digital electronic technology, Automatic control theory, Automatic control element, Modern control theory, Microcomputer principle and interface technology, Robot dynamics, Robot structure design, Robot vision measurement and control, Modern sensor principle and application**)

本科经历(**Experience in Undergraduate**)

2019.12-2023.6 加入智能车实验室，成为竞速四轮组队长(**Joined the Smart Car Lab and become the team leader of the four-wheel racing team**)

2021.4-2023.4 加入哈尔滨工程大学智能科学与工程学院407ADI-HEU-DSP研究所并成为团队负责人，该团队是由程建华教授带领的卫星联合增强导航技术团队(**Joined 407 ADI-HEU-DSP Institute, School of Intelligent Science and Engineering, Harbin Engineering University and became the team leader, which is a satellite joint enhanced navigation technology team led by Professor Jian-hua Cheng**)

2020.9-2022.6 参加第七届“互联网+”大学生创业竞赛并以负责人的身份获得金奖，银奖(**Participated in the seventh "Internet +" College students Entrepreneurship Competition and won the gold award and silver award as the person in charge**)

奖项(**Awards**)

国家级：2021年第十六届全国大学生智能汽车竞赛一等奖（全国第十名）
2022年第十七届全国大学生智能汽车竞赛一等奖（全国第六名）
2022年第十一届全国大学生海洋航行器设计大赛 一等奖
2022年第十三届北斗杯全国青少年科技创新竞赛 三等奖
省级： 2021年黑龙江省互联网+大学生创新创业竞赛 金奖
2021年黑龙江省互联网+大学生创新创业竞赛 银奖（负责人）
2022年黑龙江省互联网+大学生创新创业竞赛 金奖（负责人）
第十六届全国大学生智能车东北赛区竞赛 一等奖（东北赛区第三名）
第十七届全国大学生智能车东北赛区竞赛 一等奖（东北赛区第四名）（负责人）
2021年全国大学生数学建模竞赛 一等奖（负责人）

National level:
The First prize of the 16th National College Students Intelligent Car Competition in 2021 (the 10th place in China)
First Prize of the 17th National College Students Intelligent Car Competition in 2022 (the 6th place in China)
The first prize of the 11th National College Student Ocean Vehicle Design Competition in 2022
The third prize of the 13th Beidou Cup National Youth Science and Technology Innovation Competition in 2022
Provincial level:
Gold Medal of Heilongjiang Internet + College Students Innovation and Entrepreneurship Competition in 2021

2021 Silver Award of Heilongjiang Internet + College Students Innovation and Entrepreneurship Competition (Person in charge)
2022 Gold Award of Heilongjiang Internet + College Students Innovation and Entrepreneurship Competition (Person in charge)
First Prize of the 16th National College Students' Intelligent Car Competition in Northeast Division (third prize in Northeast Division)
First prize of the 17th National College Students' Intelligent Car Competition in Northeast Division (fourth place in Northeast Division) (Person in charge)
First Prize of 2021 National Mathematical Modeling Competition for College Students (Person in charge)

基本技能(**Basic Skills**)
熟练使用 Infineon 公司旗下的 TC26X,TC36X 系列单片机进行图像处理以及电机舵机 PID 控制(C 语言编程)
熟练使用 Altium Designer 电路设计软件进行电路板设计与焊接
掌握 Verilog 语言及 VIVADO（FPGA 编程软件），使用 FPGA 进行非接触物体尺寸形态测量项目
CET4 524 分，CET6 521 分，能熟练掌握韩国语
Skilled in using Infineon's TC26X and TC36X series single-chip microcomputers for image processing and PID control of motor servo (C language programming)
Familiar with Altium Designer software for circuit board design and welding
Master Verilog language and VIVADO (FPGA programming software), and use FPGA for non-contact object size and morphology measurement project
CET4 524 points, CET6 521 points, proficient in Korean

2023.9-至今(now)

硕士(**Master**):中国科学院大学(**University of Chinese Academy of Science**)

专业(**Major**): 电子信息(**Electronic information**)

主修课程(**Major Courses**):模式识别,计算机网络,工业控制网络,大数据技术,自然语言处理,图像处理(**Pattern recognition, Computer network, Industrial control network, Big data technology, Natural language processing, Image processing**)
会议论文：ICCEA 2025 A Novel Method of PLC Code Generation based on Large Language Models

研究方向与意愿(**Research direction and intention**)

目前的研究方向是大语言模型的代码生成方向,未来有意愿从事大模型方向的博士研究(**My current research direction is the code generation of large language models, and I am willing to pursue doctoral research in the direction of large models in the future**)