CURRICULUM VITAE

<table>
<tr><td>NAME</td><td>Youcheng Li</td><td>GENDER</td><td>male</td><td>AGE</td><td>20</td><td rowspan="3"> </td></tr>
<tr><td>MAJOR</td><td>Artificial Intelligence</td><td>GPA</td><td colspan="3">3.98/4.3</td></tr>
<tr><td>UNIVERSITY</td><td>Xi’an Jiaotong University, China</td><td colspan="2">GRADE</td><td colspan="2">junior student</td></tr>
<tr><td>TEL</td><td>+86-13686820202</td><td colspan="2">E-MAIL</td><td colspan="3">1246321319@qq.com</td></tr>
<tr><td>INTERNSHIP EXPERIENCE</td><td colspan="7">1. 2019-2020 comprehensive ranking (4 / 1138)
2. 2020.7-2020.9 I practiced in the Department of Automation and learned the SLAM algorithm as well as Unity3D
3. 2020.9-2021.8 I participated in Energy and Power internship to implement particle tracking velocimetry algorithm (PTV)
4. 2020.10-2020.12 I participated in an internship at the Institute of Artificial Intelligence and Robotics of Xi’an Jiaotong University to learn the SLAM algorithm
5. 2020.10-2021.4 I have participated in the internship at the Institute of Artificial Intelligence and Robot of Xi’an Jiaotong University to learn medical image processing (cancer cell detection)
6. 2020.10-2020.12 I have participated in the internship at the Institute of Artificial Intelligence and Robot of Xi’an Jiaotong University to learn deep learning and mode recognition
7. 2021.1-2021.5 as a major technician, he has participated in a college student innovation project, including the disease detection of CT image, and the project is a university-level major innovation project
8. 2021.6-to now as a major technical personnel, he has participated in a college student innovation project, which is a market game economics experiment, and the project is a national major innovation project
9. 2021.6-to now, as the leader, he has participated in a college student innovation project, which is based on deep learning. The project is a provincial major innovation project
10. 2021.5-Until now participating in an Internet + startup project featuring AR-based social software
11. 2021.5-to now participated in an Internet + entrepreneurship project with simulation software in the field of fluid mechanics, and won the silver prize in the provincial competition
12. 2021-Up to now I have participated in an Internet + entrepreneurship project for the application of blockchain technology in community pension care (Tencent’s independent proposition)
13. 2021.8-2021.9 participating in an Internet + entrepreneurship project is the application of blockchain technology in investment risk management</td></tr>
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	(Huawei independent proposition) 14. 2021.8-2021.9 I went to the CT hardware laboratory of Shenzhen Anke High-tech Co., Ltd. as **a hardware intern** to independently develop a set of health care equipment 15. 2020-2021 comprehensive ranking (3 / 65)
SELF INTRODUCTION	I am **Youcheng Li** from **Artificial Intelligence** major, Department of Electronics and Information Science of **Xi'an Jiaotong University.** I apply for an intern position in the R & D department of your research group. The reasons are as follows: 1. I majored in artificial intelligence in Xi 'an Jiaotong University and have a strong interest in **artificial intelligence**, **computer architecture** and **medical** treatment. Up to now, I have participated in **more than 20 scientific research projects and discipline competitions.** I once worked as an intern in a medical device company and independently developed a set of health equipment based on **STM32.** I am proficient in neural network, computer vision and pattern recognition, and natural language processing. Have an in-depth understanding of **XGBoost, VGG, Q-learning and other algorithms.** I am familiar with **C/C++, Python, Matlab and other programming languages**, and have written more than **10,000 lines of code.** 2. **My academic record is excellent.** My average score is at the top level of my major. Having won a **national scholarship**, I was liked by my teachers for my active learning in class. I have extensive experience in scientific research. I have participated in more than 20 scientific research projects and discipline competitions. In the past year, I served as an assistant researcher in two research groups. **My learning ability is outstanding.** I used my spare time to learn neural network, computer vision, SLAM, embedded development and natural language processing technologies. Strong learning ability enables me to go further on the road of scientific research. 3. In terms of academic research, I have participated in more than ten research projects covering various departments and disciplines, and served as an **assistant researcher** for two projects. In terms of innovation and entrepreneurship, I have participated in more than eight innovation and entrepreneurship projects and won provincial and university-level awards for four times. As the second person in charge, I has led an entrepreneurial project **with a market value of ten million yuan**, led a provincial innovation project dominated by Institute of Artificial Intelligence and Robotics, XJTU. **as the first person in charge**, and participated in **a national innovation project** as the main contributor.

Award Winning Experience(Part of it)	1. 2019-2020 National Scholarship 2. 2020-2021 Second Prize of Shaanxi Provincial National College Student Mathematics Competition 3. 2020-2021 Shaanxi Province Second Prize of National College Students' Mathematical Modeling
THE COURSES I HAVE LEARNED	1. Python, MySQL 2. The Foundation of the Programming Design(based on C) 3. Data Structures and Algorithms(based on C++) 4. Infinitesimal Calculus 5. Linear Algebra and Analytic Geometry 6. Discrete Mathematics, Measure Theory, Theory of Matrices 7. Computing Method, Convex Optimization 8. Artificial Intelligence: A Modern Approach 9. Chemistry 10. Neurobiology and Brain Science 11. Cognitive Psychology 12. Game Theory 13. Computer Architecture(based on RISC-V and ARM) 14. Analogue Circuit 15. Digital Logic Circuit(based on System Verilog) 16. Natural Language Processing 17. Computer Vision and Pattern Recognition 18. Computational Neural Engineering 19. Machine Learning
THE COMPUTER PROGRAMMING LANGUAGE I HAVE MASTERED	1. C/C++-Used OpenCV and other computer vision processing libraries 2. Python-Master VGG, Transformer, XGBoost, SNN and other neural network implement 3. MATLAB-Can process data, write cellular automata, behavioral experiments and other programs 4. LaTeX-Used LaTeX for typesetting papers 5. System Verilog 6. STM32(based on HAL) 7. RISC-V
SCIENTIFIC AREAS of INTEREST	1. Brain Machine Interface 2. Surgical Robot System 3. Medical Image Processing 4. Computer Architecture