Yunzhe LI (Jonas)

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☛ EDUCATION

Institution	School of Computer Engineering and Science Shanghai University (211 Project/Double First-Class)
Duration	09/2020 - 07/2024
Major	B.E. in Intelligence Science and Technology(full-time)
GPA	91.25 / 100 (3.74 / 4.0)
Ranking	**No. 2 / 31**
TOEFL	Overall 105 (Reading 29, Listening 29, Speaking 22, Writing 25)
Website	https://yunzhe-li.netlify.app/
Courses	*Intelligent System Control*(4.0), *Machine Learning*(4.0), *Matrix Analysis A*(4.0), *Information Theory*(4.0), *Progress in AI*(4.0), *Computer Network*(4.0), *Probability and Statistics A*(4.0), *Discrete Mathematics A(1)* (4.0), *Data Structure(2)*(4.0) etc.

☗ INTERNSHIPS

06/28/2023-09/01/2023	**ByteDance**	Algorithm Engineer Intern

Responsibilities:
- Collect and pre-process users' behavioral data from the established platform
- Fine-tune established models to extract key information and construct Knowledge Graph
- Collaborate with software engineers to build enterprise-level platform with models
- Analyze the positive impact of the model landing on the e-commerce ecosystem

Solved problems:
- Improve the efficiency of transaction link with text and muti-modal models for e-commerce
- Better perform models with text augment and the introduction of external Wikipedia gloss

Outcome:
- Enhance conversion rate by 8% in three months

09/01/2021-05/01/2023	**Shanghai University Lab of Machine Learning**	Research Assistant

Responsibilities:
- Collect and pre-process literature and meta data on NASICON with data crawling and OCR
- Build and train NER and RE models with pre-processed literature data
- Construct Knowledge Graph in NASICON with models' output

Solved problems:
- Automate the process of gaining descriptors from literature on NASICON
- Better analyze factors affecting ion conductivity for material scientists

Project/Research:
- Research on Automatic acquisition of NASICON solid-state electrolyte descriptors
- Research on traceable NASICON solid electrolyte text information extraction tool
- A knowledge platform to integrate all pipeline process with Vue+SpringBoot+Mysql

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06/30/2021-09/01/2021	**SHANGHAI-FANUC Robotics CO., LTD.**	Algorithm Engineer Intern

Responsibilities:
- Integrate concept of rigid body motion and the robot with Eigen library in C++
- Develop algorithms to detect screws and holes to inspect automotive engine assembly results
- Optimize detection performance with Least Squares

Solved Problems:
- Efficient inspection of products in the manufacturing industry

🏆 HONORS AND AWARDS *(Certificates are attached in appendix)*

RoboMaster University Championship (RMUC)/League(RMUL)
Team SRM - Team Leader & Computer Vision Engineer
URL:https://youtu.be/qeRvdmcNFAc / https://youtu.be/REICVFIxuHA
September 2020 - Present

1st Prize   Robot Combat Award in the Sentry Robot group
RoboMaster 2023 University Championship
August 2023

3rd Prize   RoboMaster 2023 University Championship, Final Tournament
August 2023

2nd Prize   RoboMaster 2023 University Championship, Regional Competition(Southern Division)
June 2023

2nd Prize   Robot Combat Award in the Standard Robot group
RoboMaster 2023 University League
June 2023

3rd Prize   Standard Match in Tier-1 teams
RoboMaster 2023 University League, Regional Competition(Shanghai)
April 2023

3rd Place   3V3 Match in Tier-1 teams
RoboMaster 2023 University League, Regional Competition(Shanghai)
April 2023

3rd Prize   RoboMaster 2022 University Championship, Final Tournament
August 2022

2nd Prize   RoboMaster 2022 University Championship, Regional Competition (Eastern Division)
June 2022

2nd Prize   The 3rd Shanghai University RoboMaster Intramural Competition
November 2021

FIRST® TECH CHALLENGE
FACING THE GIANTS - Team Leader & Chief Technician
URL:https://youtu.be/ZKn0rDUpNfY
September 2017 - January 2020

Connect Award   2019 CN China FTC ROVER RUCKUS Shanghai Invitational
June 2019

Connect Award   2018 CN China FTC *FIRST*® China Finals of Robotics Conference
June 2018

Connect Award   2018 CN China FTC RELIC RECOVERY Shanghai Qualifier
May 2018

Participant   2018 *FIRST*® Detroit World Championship - Edison Division
April 2018

Inspire Award   2018 CN China FTC RELIC RECOVERY Shanghai American School Qualifier
March 2018

Scholarship, Sports and Academic Awards

1st Prize   2021-2022 Academic Excellence Scholarship of Shanghai University
December 2022

2nd Prize   2020-2021 Academic Excellence Scholarship of Shanghai University
December 2021

Champion   2020 Shanghai University Football Association Cup
November 2020

Honorary Title   2018-2019 Excellent Student Cadre in Minhang District Secondary School
March 2019

Other Robotics, STEM, entrepreneurial Awards

Best Team   Roadshow, *Young Entrepreneur Academy*
Youth Innovation and Entrepreneurship Practice Summer Camp, Minhang
August 2018

3rd Prize   Stirling Car group
2018 Minhang - Hong Kong Students Science and Technology Summer Camp
July 2018

3rd Prize   Future Cup Shanghai High School Robot Competition
December 2017

Volunteering and Ambassador Experience

Interviewed by Shanghai Baoshan District Wechat Public Account
May 2023 - Invited to encourage college students to combine theories with practice towards real-world issues

Interviewed by JieFang Daily News
April 2023 - Invited to encourage college students to combine theories with practice towards real-world issues

Ambassador of *FIRST*® to promote *FIRST*® ethos at Xinzhuang Senior High School (Alma mater)
January 2021, September, 2023 - Inspire young generations to better explore the world with STEM

Volunteer Staff of 2021 CN China FTC Hangzhou Invitational
May 2021 - Field Referee to assist make final judgement and facilitate meetings for event coordinators

Acting as the leading/supporting role in micro films
August 2019, directed by Minhang Government to honor teachers' day
October 2022, directed by Fuxiao Xiong, Shanghai Film Academy, Shanghai University

Participation in Regional TV show: *Super Parents Club*
June 2018 - Invited to be an ambassador to advocate equal treatment of girls and boys within STEM

Participation in Regional TV show: *Young Edison*
June 2018 - Invited to be an ambassador to promote science and technology and encourage innovation

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▤ REFERENCES

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