Bowen Deng

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EDUCATION BACKGROUND

Northwestern Polytechnical University (NWPU, 985 211) Xi'an, CN

B.Eng. in Software Engineering; Average Score: 83.77/100; **Third Year Average Score:** 87.9/100 *Aug.2020-Jul.2024*

Core Courses: Object-Oriented Programming, Data Structure and Algorithms, Database Systems, Natural Language Processing, Machine Vision, Introduction to Robotics

HONORS & AWARDS

- 2023 First class scholarship, with a third-year ranking of 15 / 313. NWPU, Nov. 2023.

- National-level 1st Prize of the 24th National Robot Championship, 11v11 Simulation Football Match, Dec.2023
- National-level 1st Prize of the 12th National Ocean Vehicle Design and Production Competition, Dec.2023
- National-level 1st Prize of the 23rd China Robot Championships, Oct.2021
- National-level 2nd Prize of RoboCup China Open Competition, Apr.2022
- National-level 2nd Prize of the 23rd China Robot and Artificial Intelligence Competition, Dec.2021
- International 3rd Level Prize of RoboMaster University AI Challenge, May 2022
- Shaanxi Provincial-level 2nd Prize of 2022 WeChat mini–Program Application Development Competition. 2022
- Shaanxi Provincial-level 2nd Prize of the 25th China Robot & Artificial Intelligence Competition, Jun.2023
- School-level 2nd Prize of 2023 NWPU Students Experimental Skills Competition, May 2023
- School-level 2nd Prize of the 21st "Sanhang Cup" Science and Technology Competition, NWPU, Apr.2023
- School-level 2nd Prize of the 20th "Sanhang Cup" Science and Technology Competition, NWPU, Apr.2022
- National-level Excellent Project of 2021 University Students Innovative Entrepreneurial Training Plan Program, May 2022
- Shaanxi Provincial-level Excellent Project of 2022 University Students Innovative Entrepreneurial Training Plan, Sep.2023

PROJECTS & EXTRACURRICULAR

Northwestern Polytechnical University Football Robot Base v5++ Group; *Team Vice Leader* *Mar.2021- Jul.2023*
- Learned to build a robot software system based on ROS framework
- Familiarized with robot design process including mechanical design, hardware construction, software programming
- Managed a 30+ student team to take part in national-level competitions
- Took overall team management including financial and budget control, external relationship, and recruitment
- Arranged industrial lectures including the former CTO of DJI, offering the latest knowledge of IT and robotics to NWPU students

DJI Robomaster Team; *Video Editor & Event Marketing Promoter* *May 2022*
- Assisted in the broadcasting of the RMUA event during the 2022 DJI Student Robotics Competition

NWPU Makerspace Start-ups Incubation; *Member* *Mar.2021-Mar.2023*
- Collaborated with senior students on various projects involving designing products for profitability, undergoing assessment through start-up incubation
- Gained hands-on experience in project development and management, enhanced my skills in developing innovative ideas and leading profitable ventures through incubation program

NWPU Photography & Video Club; *Editor* *Sep.2020-Jun.2021*
- Provided photographic works ranging from campus scenery to student events to the club to enrich students' life
- One photo of mine was included by Club database

INTERNSHIP EXPERIENCE

Xi'an Liuyao Feimeng Information Technology Co., Ltd.; *Software Developer Intern* *Jul.2022-Aug.2022*
- Developed an aero secondary development platform

PUBLICATION & COPYRIGHTS

Paper:

1.Shiyuan Li, **Bowen Deng**, Xinyi Wei; *Research on Algorithm of Power Patrol Robot Based on YOLOv3 and Visual SLAM,* 2023 International Conference on Picture Processing, Robotics and Artificial Intelligence (PPRAI 2023) (accepted)

Copyrights and Patent:
1. A UAV Accessories Warehouse Monitoring System v1.0 Based on JAVA GUI Technology; May 2023
2. A C++ Toolkit Platform v1.0 Based on JAVA Writing Habits. Oct.2022
3. A Ball Picking Machine Design Patent; Apr.2023

ADDITIONAL

Programming & Software: Java, JavaScript, C++ (Qt), Python
Languages Skills: Mandarin (Native), English (Second Language); IELTS 6.5

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邓 博 文

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教 育 背 景

西北工业大学（NWPU，985 211) 西安
软件学院 软件工程；**算术均分:** 83.77/100; **第三年均分:** 87.9/100 *2020 年 8 月-2024 年 7 月*
核心课程: 面向对象编程，数据结构，数据库系统, 自然语言处理, 机器视觉, 机器人导论

奖 学 金 与 竞 赛 奖 状

◆ 2023 西工大一等奖学金（单年排名 15/313）。2023 年 11 月

◆ 国家级一等奖，第二十四届全国机器人锦标赛，11v11 仿真足球赛。2023 年 12 月
◆ 国家级一等奖，第十二届全国海洋航行器设计与制作大赛。2023 年 8 月
◆ 国家级一等奖，第二十三届全国机器人锦标赛。2021 年 10 月
◆ 国家级二等奖，2021 中国机器人大赛暨 Robocup 机器人世界杯中国赛，2022 年 4 月
◆ 国家级二等奖，第二十三届中国机器人及人工智能大赛，文化创意创新赛。2021 年 12 月
◆ 国际级三等奖，大疆 Robomaster AI （RMUA）高校挑战赛，2022 年 5 月
◆ 省级二等奖，2022 微信小程序应用开发赛。2022 年 7 月
◆ 省级三等奖，第二十五届中国机器人及人工智能大赛，人工智能创新赛。2023 年 6 月
◆ 校级二等奖，第二十一届"三航杯"大学生课外学术科技作品竞赛。2023 年 4 月
◆ 校级二等奖，第二十届"三航杯"大学生课外学术科技作品竞赛。2022 年 4 月
◆ 校级二等奖，2023 年西北工业大学大学生实验技能竞赛。2023 年 5 月
◆ 国家级优秀结题，2021 大学生创新创业训练计划项目。2022 年 5 月
◆ 省级优秀结题，2022 大学生创新创业训练计划项目。2023 年 9 月

课 外 活 动

西北工业大学 足球机器人基地 V5++项目组； *队员，副队长（2022.7-2023.7）* *2021 年 3 月-2023 年 7 月*
◆ 学习了基于 ROS 框架搭建机器人软件系统
◆ 熟悉机器人设计流程，包括机械设计、硬件构造、软件编程
◆ 管理 30+学生团队参加国家级比赛
◆ 负责整体团队管理，包括财务和预算控制、新队员招新
◆ 安排过一次在西工大主办非官方研讨会，负责接待外校知名教授并规划行程

大疆 Robomaster 团队（志愿者）； *比赛呈现组助理* *2022 年 5 月*
◆ 负责协助 DJI 员工进行 RMUA2022 赛事的直播推流、导播。

西工大众创空间初创公司孵化； *成员* *2021 年 3 月-2023 年 3 月*
◆ 与研究生和博士生合作开展各种项目，包括设计产品以实现盈利，并通过初创企业孵化进行评估
◆ 获得了项目开发和管理方面的实践经验，通过孵化计划增强了开发创新理念和领导盈利企业的技能

西北工业大学摄影学会； *采编部成员* *2020 年 9 月-2021 年 6 月*
◆ 提供从校园风光到学生活动再到社团的摄影作品
◆ 一张照片已被摄影学会数据库收录

实 习 经 历

西安六爻飞梦信息科技有限公司； *软件开发实习生* *Jul.2022-Aug.2022*
◆ 开发了一个无人机二次开发平台

发 表 论 文

Shiyuan Li, **Bowen Deng**, Xinyi Wei; *Research on Algorithm of Power Patrol Robot Based on YOLOv3 and Visual SLAM,* 2023 International Conference on Picture Processing, Robotics and Artificial Intelligence (PPRAI 2023) (accepted)

语 言 与 技 能

编程技能: Java, JavaScript, C++ (Qt), Python
语言: 中文（華語，母语）；英语（第二语言），雅思成绩：6.5