

Binglun Wang

School of Computer Science, University of Birmingham
Edgbaston, Birmingham B15 2TT

bxw135@student.bham.ac.uk

+44 7724807306 (mobile)

EDUCATION

- **University of Birmingham, UK** 09/2021-09/2022
 - Master of Science in Artificial Intelligence and Machine Learning
 - Grades: 80%
 - Expected Degree Award: Distinction
- **Northwest University, China** 09/2017-07/2021
 - Bachelor of Engineering in Electronic Information Science and Technology (Sino-foreign Cooperation in Running Schools)
 - Grades: 79% in First three years, first degree in last year of University of Essex
- **University of Essex, UK** 11/2017-06/2021
 - Bachelor of Science in Electronic System Engineering
 - Honours Class II (Division I)

RESEARCH INTERESTS

- Computer Vision, Deep Learning

PROGRAMMING CONTESTS

- **Fifth Place & Gold Medalist**, Provincial Collegiate Programming Contest of China [\[Link\]](#) 2021
- **Silver Medalist**, ACM-International Collegiate Programming Contest (ICPC) Asia Regional Contest (Yinchuan Site) [\[Link\]](#) 2020
- **Silver Medalist**, National Collegiate Programming Contest of China (Mianyang site) [\[Link\]](#) 2020
- **Silver Medalist**, ACM-ICPC Asia-East Continent Final [\[Link\]](#) 2019
- **Silver Medalist**, ACM-ICPC Asia Regional Contest (Yinchuan Site) [\[Link\]](#) 2019
- **Bronze Medalist**, ACM-ICPC Asia Regional Contest (Nanjing Site) [\[Link\]](#) 2019
- **Bronze Medalist**, National Collegiate Programming Contest of China (Ha'erbin site) [\[Link\]](#) 2019

RESEARCH EXPERIENCE

- **Deep learning-based 3D Human Pose Estimation (HPE) from Images/Videos, module project, University of Birmingham** [\[Link\]](#) 2022
 - Reviewed the current topic in AI & Machine Learning
- **Semantic Segmentation of Cardiac Magnetic Resonance (CMR) Images using Deep Learning, module project, University of Birmingham** [\[Link\]](#) 2021
 - Implemented segmentation task and improved the performance of 4NNs (UNet, DeepLab, SegNet, FCN) in small dataset (training dataset: 100 grayscale intensity images at 96×96 resolution)

- Results: The best test dice score achieved 0.891 (bagging of UNet3+ and UNet)
- **Image Classification in Deep learning, Degree Project, University of Essex** [\[Link\]](#) 2020-2021
- Investigated and summarised several significant modern convolutional neural networks: LeNet, AlexNet, VGGNet, GoogLeNet
 - Analysed the effectiveness of optimisers, data augmentation, dropout layer, and batch normalisation with extensive experiments
 - Created a GUI system to visually compare results from different CNNs and classify photos in real time with trained models
 - Results: the top1 val. errors (%) in CIFAR10 are 29.39, 16.3, 15.93 and 9.87 respectively (LeNet, AlexNet, VGGNet, GoogLeNet)

EXTRACURRICULAR EXPERIENCES

- **Lecturer, Intelligent Processing for Multimedia Information Laboratory (IPMI), Northwest University** 07/2021-08/2021
- A programme to improve new lab members' algorithm and coding ability
 - Taught Game theory, number theory
- **Lecturer, Xiaozhi Programming Education Institution** 04/2020-10/2021
- A long-term programme training programming contest participants in High School Affiliated to Renmin University
 - Offered tutorials of ICPC exercises and camps of OI in recent years
- **Lecturer, Jisuanke Informatics Education Institution** 12/2019-09/2020
- A long-term programme training high school programming contest participants computer science
 - Taught algorithms in OI and basic C/C++ programming
- **Student Coach of Algorithm Society, Northwest University** 09/2019-07/2021
- Arranged ICPC programming training for the society
 - Offered ICPC programming tutorial for the society members
- **Video Blogger, [Bilibili](#) (a Chinese video sharing website) & [YouTube](#)** 2018-now
- Share tutorial videos of algorithm problems and algorithm exercises
 - 180+ videos & 1800+ fans

SCHOLARSHIPS & AWARDS

- Rank 29th, Pawpularity Contest, Kaggle 2022
- First-class scholarship, Northwest University 2019
- Excellent Minister of the Student Union, Northwest University 2019
- Second-class scholarship, Northwest University 2018
- National prize of "Thousands of Universities and Thousands of Projects", Voluntary Work in Rural Education, Northwest University 2018
- School-level Third Prize, China College Students' 'Internet+' Innovation and Entrepreneurship Competition 2018
- School-level First Prize, China College Students' Entrepreneurship Competition, Northwest University 2018

Ms. Ping SU

E-mail: ping.su.19@ucl.ac.uk

Tel: 44-07529930295 / 86-13261616955

EDUCATIONAL BACKGROUND

- **University of Birmingham – School of Education, UK** 09/2021-09/2025
 - Major: Philosophy of Education
 - Degree: Doctor of Philosophy
 - Thesis: **Children’s Political and Ethical Education in the Pandemic and Post-Pandemic Era** (Supervisors: Prof Michael Hand, Dr Laura D’Olimpio)
 - Funded by University of Birmingham and China Scholarship Council
- **University College London – Institute of Education, UK** 09/2019-12/2020
 - Major: Philosophy of Education
 - Degree: Master of Arts (with Distinction)
 - Dissertation: **How Picturebooks Can Be Used in Philosophy for Children (P4C): A Response to the COVID-19 Pandemic** (Supervisor: Dr. Adrian Skilbeck)
- **Beijing Normal University (BNU), China** 09/2015-06/2019
 - Major: Chinese Language and Literature
 - Degree: Bachelor of Arts
 - GPA: 3.70/4.0 (90.03/100)
 - Rank: 11/174
 - Dissertation: **The Concept of Gender Identity in Picturebooks Adapted from the Story of Mulan**
 - Won the honour of Excellent Dissertation
- **University of Warsaw and Jagiellonian University, Poland (Summer School)** 07/2018
 - Grade A

RESEARCH EXPERIENCES

- **Philosophy of Education Society of Great Britain | Postgraduate Conference** 09/2020
 - Attended and presented the paper: *Do Parents Have Freedom to Educate Their Children? - Discuss the theory of Meira Levinson with the Wisconsin V. Yoder case*
 - The paper will be published in Conference Papers Collection
- **The Third Educational Science Research in the "Thirteenth Five-Year Plan" of Kunming City | Project Member** 04/2018-12/2020
 - Theme: A Research on the Application of the Teaching Method Problem-Solving-Process-Explaining in Chinese Reading Teaching in Secondary School
 - Analyse the teaching strategy and its effect; Refer to the literature, manage investigation statistics and analyse experimental results; Participate in the writing of the thesis
- **Key (Key grant) Project of Chinese Ministry of Education | Project Member** 11/2018-12/2018
 - Theme: Comparative Literature and Theory of world Literature in the Era of Globalization
 - Proofread the monograph *World Literature and Its Place in General Culture* in English
- **College Student Research and Career-creation Program of Beijing City | Project Leader** 05/2017-05/2018
 - Theme: The Study of the Spread of Chinese Traditional Drama in the English-speaking World and its Enlightenment on the “Going Out” Strategy of Chinese Traditional Culture
 - Arranged the overall research work; Responsible for conducting surveys and in-depth interviews with relevant activities of Chinese traditional dramas in Confucius Institutes in English-speaking countries and designing courses; Wrote the final report

- Rated as Excellent School-Level Research Project
- **College Student Research and Career-creation Program of Beijing Normal University | Project Leader** 05/2016-05/2017
 - Theme: The Communication Study of "Peony Pavilion" in the English-speaking World—Based on Its Translation, Research and Influence
 - Arranged the overall research work; Consulted and collated the English literature and translation together with the team members; Wrote survey report and paper

INTERNSHIP

-
- **Experimental Middle School Attached to Yunnan Normal University | Teaching assistant** 10/2018
 - Assisted Chinese teacher of teaching, reviewed homework, tutored students, and manage class affairs
 - **National Survey Research Centre (NSRC) | On-line Interviewer** 10/2017-1/2018
 - Responsible for online interviews with students participating in the fourth round of China Education Panel Survey (CEPS); Issued questionnaires to understand the full range of education status of students
 - Won the honour of Excellent Intern

EXTRACURRICULAR EXPERIENCES

-
- **World Association of Lesson Studies International Conference | Volunteer** 11/2018
 - Wrote and translated conference materials; accompanied with and translated for foreign academics
 - **Summer Social Practice | Participant** 07/2017-08/2017
 - Sought for information and wrote the proposal; Conducted in-depth investigations, participated in interview and photography work; Completed the survey report as the first author
 - Won the honour of Excellent Individual in 2017 Summer Social Practice of BNU and our team won the honour of Excellent Practice Team
 - **White Pigeon Volunteers Association | Publicity Centre | Commentator** 10/2015-10/2018
 - Responsible for regular voluntary guidance related propaganda work in the exhibition hall of "Song Qingling's Former Residence"
 - Won the title of Excellent Volunteer
 - **Youth Classic Guide Volunteer Service | Volunteer** 05/2017-03/2018
 - Guided reading for primary school students in grades three to four
 - Won the title of Excellent Guide

AWARDS & HONOURS

-
- First-class Beijing Normal University Scholarship for the academic year 2017-2018 09/2018
 - First-class Fellowship for the spring semester of 2017-2018, BNU 09/2018
 - Second Prize in the "BNU Cup" Extracurricular Academic Science and Technology Works Competition 07/2018
 - First-class Fellowship for the fall semester of 2017-2018, BNU 03/2018
 - Second-class Beijing Normal University Scholarship for the academic year 2016-2017 09/2017
 - Second-class Fellowship for the spring semester of 2016-2017, BNU 09/2017
 - Third Prize in the "Masterpieces Review Cup" National College Student Literature Competition 06/2017
 - First-class Fellowship for the fall semester of 2016-2017, BNU 03/2017
 - Second-class Beijing Normal University Scholarship for the academic year 2015-2016 09/2016
 - First-class Fellowship for the spring semester of 2015-2016, BNU 09/2016
 - Third-class Fellowship for the fall semester of 2015-2016, BNU 03/2016

CERTIFICATION

-
- The People's Republic of China Teacher's Qualification Certificate (Subject: Chinese language and literature)