



北京師範大學
BEIJING NORMAL UNIVERSITY

Lu Yu
Associate Professor
Advanced Innovation Center for Future Education
Faculty of Education
Beijing Normal University
100875, Beijing, China
luyu@bnu.edu.cn

To whom it may concern,

It's my pleasure to recommend Ms. Zhaoxin Feng for Mitacs Globalink Research Internship.

One year ago, I came to know Ms. Feng in my class *Data Structure* at BNU. In the compulsory programming modules (such as linear list, linked list etc.), she demonstrated good programming skills and quick-thinking ability. From my observation, she is really keen on applying the abstract knowledge in real scenario. In the course *Principles of Database System*, she designed and developed a book recommendation system (used HTML, CSS, JavaScript and PHP), which would provide a reading ability test to confirm student's reading level in advance. During the development of the reading ability test, she used the Fibonacci Sequence (which I have taught in *Data Structure*) to achieve the logic of questions' skipping.

In addition, Ms. Feng also attended the course *Artificial Intelligence and Smart Education* as a guest student, which was lectured by me as well. She expressed interests in using AI to enhance inclusive, automatic, and personalized learning and exploring the methods of data mining in the learning process. During this summer holiday, she developed a robot by using RASA (an open-source machine learning framework to automate text-based conversations), which aimed to help student to make study plan.

Ms. Feng is a student who is really into exploring new knowledge and solving problems with an innovative thinking. In order to improve her knowledge in AI, she have attended several relevant courses lectured by my colleagues (such as *Deep Learning*, *Modern Approaches of Artificial Intelligence*, *Pattern Recognition* etc.), and learned Andrew Ng's course *Machine Learning* on Coursera. I really hope that she can gain a chance to work on a relevant project and apply her idea into practice.

Please do not hesitate to get in touch if I can be of any further help in advancing her candidacy.

Yours sincerely

Lu Yu

地址: 北京市海淀区新街口外大街 19 号 (100875) 联系电话: 010-58806183

Add: No. 19 Xijiekouwai Street, Haidian District, Beijing, 100875, P.R. China Website:

<https://www.bnu.edu.cn>



北京師範大學
BEIJING NORMAL UNIVERSITY

To whom it may concern,

I would like to recommend Feng Zhaoxin for Mitacs Globalink Research Internship in Canada. As her research supervisor in one of her studies, I believe that she is an outstanding student and a pleasure to work with.

My interactions with Zhaoxin include having her as a student in both compulsory and optional courses, and supervising her to complete a research. I have known Zhaoxin since 2020, when she was admitted as a Bachelor of Science degree in educational technology into Beijing Normal University. As her research supervisor, I directed one of her studies and found her a promising youth radiating with diligence and quick-learning abilities.

During her first year, Zhaoxin worked as a research intern in VR/AR+Education Lab, and developed some Augmented Reality Applications by Unity3D and Vuforia. During her second year, she worked on a project "*The development of an AR application and the effects of AR environment on preschool children's numerical cognition (from the perspective of interactive educational games)*", which aims to improve personalized learning with Augmented Reality. In order to design the AR application reasonably, she referenced a lot of literatures (including *Child Psychology*, *Software Design*, *Educational Gamification Design* etc.) and interviewed some preschool teachers. Additionally, she cracked many programming bugs in C# scripts one by one, which shows an excellent programming ability. In the end, Zhaoxin came up with a conference paper "*The Effects of AR Learning Environment to Preschool Children's Numerical Cognition*" that was characterized by academic excellence in ICALT2022, and gained nomination for best full paper awards.

In the course "Object-Oriented Programming Java", I had observed her as she strives to learn and support increasing the knowledge of others. Zhaoxin is really passionate about programming, and she also performed well in the team program project, which indicates her collaborative skills. In addition, she has applied to visit the Department of Computing in The Hong Kong Polytechnic University for further learning in machine learning and human-computer interaction as an exchange student (2023.1-2023.5).

I highly recommend Feng Zhaoxin for Mitacs Globalink Research Internship. She upholds a desire to achieve, and a positive attitude. If you would like to further discuss Zhaoxin and her capacity as a research intern, please do not hesitate to contact me.

Cai Su

Associate Prof., caisu@bnu.edu.cn

VR/AR+Education Lab, <http://ar.bnu.edu.cn>

Faculty of Education, Beijing Normal University, 100875, Beijing, China

地址: 北京市海淀区新街口外大街 19 号 (100875) 联系电话: 010-58806183

Add: No. 19 Xijiekouwai Street, Haidian District, Beijing, 100875, P.R. China Website:

<https://www.bnu.edu.cn>