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| **ZISHANG LI** |
| #1 Dongxiang Street, Xi’an, Shaanxi, China 710129; +86-15399079256; lizishang@mail.nwpu.edu.cn |

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| **EDUCATION** | |
| **School of Mathematics and Statistics**, **Northwestern Polytechnical University (NWPU)** | 08/2017-Present |
| Bachelor of Science Degree in *Information and Computing Science*, expected in June 2021.  Overall GPA: **87.76/100**; Class Ranking:**3/46**. | |
| Selected Coursework: Mathematical Analysis ***97%***, Advanced Algebra ***88%***, Numerical Algebra ***98%***, Numerical Optimization Method ***93%***, Machine Learning ***99%***, Partial Differential Equations ***94%***, C Language Programming ***91%***. | |

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| **Data Science Institute, Imperial College London** | 07/2019-08/ 2019 |
| Coursework: Data Science, Big Data Management and Cloud Computing. | |

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| **PUBLICATION** |

[Duan Wei-guo](https://www.onepetro.org:443/search?q=dc_creator:(), **[Li Zi-shang](https://www.onepetro.org:443/search?q=dc_creator:()**, [Zhang Jie-qiong](https://www.onepetro.org:443/search?q=dc_creator:(), [Yang Zi-hao](https://www.onepetro.org:443/search?q=dc_creator:(), [Lin Wei](https://www.onepetro.org:443/search?q=dc_creator:(). *Study on Mathematical Model and Exact Solution of Overall Structural Response and Natural Frequency of Submerged Floating Tunnel*. International Society of Offshore and Polar Engineers (ISOPE), 2020.

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| **RESEARCH EXPERIENCES** | |
| **Study of the Information Dissemination on Social Network Based on Vector Matching Method** | 05/2018-04/2019 |
| *National Undergraduate Training Program for Innovation; Advisor: Prof. Hao Sun* | |
| * Analyzed the mechanism of social network based on the crawled Sina Weibo and WeChat user data, filtered the information and extracted keywords. * Improved the extraction of feature information and proposed a vector matching model between eigenvector space and nodes; built the information dissemination model. * Realized the accuracy in content on social media, which would provide reference for personalized advertisements and user privacy protection. | |

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| **Image Classification Based on Multi-Model Fusion of Convolution Neural Network (CNN)**  *NWPU Gaofeng Undergraduate Research Training Program; Advisor: Prof. Yong Xia* | 09/2019-12/2019 |
| * Selected and downloaded the *Cats vs.Dogs* data set on Kaggle and preprocessed it before training. * Applied transfer learning method to train CNN models (Resnet, Inception, Xception). * Adopted voting and mean square error as the losing function to fuse the aforementioned CNN models to improve the recognition accuracy. * Demonstrated with experiment results that the proposed multi-model fusion method has higher accuracy (increased by 0.02%) and stronger generalization ability than single CNN model. | |

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| **Seminars on Computational Mathematics and Computational Mechanics** | 05/2019-03/2020 |
| *Paper on ISOPE 2020 (International Society of Offshore and Polar Engineers); Advisor: Prof. Zihao Yang* | |
| * Learned and mastered the knowledge of finite element method, elastic mechanics, and submerged floating tunnel. * Conducted independent study of the latest works/papers regarding material, geotechnical and biomedical problems. | |

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| **LEADERSHIP & INVOLVEMENTS** |
| **President of Northwestern Polytechnical University English Association:** Organized 30+ English Corner events, resulting in 30% increase in membership; upgraded and enhanced the online platform of the association.  **Student Tutor of Learning Counseling Center of Northwestern Polytechnical University:** Tutored students to prepare for make-up examinations; conducted Q&A sessions; guided learning methods for juniors.  **Volunteer Services:** Worked as the volunteer in Datang Xishi Museum, “The Belt and Road” 2018 Yanta International Fencing Cup, etc. |

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| **HONORS & AWARDS** |
| **Wu Yajun Scholarship** of Northwestern Polytechnical University **(Top 2.8%)**, 2018 & 2019.  **First-class Scholarship** of Northwestern Polytechnical University, 2018 & 2019 &2020.  **Outstanding Student Award** of Northwestern Polytechnical University, 2018 & 2019 & 2020.  **Honorable Mention**, Mathematical Contest in Modeling, 2020.  **First Prize**, China Undergraduate Mathematical Contest in Modeling (Shaanxi Province), 2018&2019.  **Second Prize, 2019 Certificate Authority Cup International Mathematical Contest in Modeling (Shaanxi Province), 2019.**  **Third Prize**, 2019 International Contest of Innovation (iCAN) (Northwest Area), 2019. |
| **SKILLS** |

Programming: C, MATLAB, Python, LaTeX.

Language: Native Speaker of Mandarin Chinese, Fluent in English.