**Jixiang Ding**

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| **EDUCATION** |  | |
| **Huaqiao University** | | **2019/09 – Present** |
| *Student* | Xiamen, China | |
| * **Major:** Bachelor in Computer Science and Technology * **GPA:** 4.3/5.0 (Rank 3 over 46) * **Major Modules:** Software Integrated Development Environment (Java) (98); Data Structure Lab (97); Practice for Image and Graphics Programming (95); Design of Artificial Intelligence Innovation Project (93); Mathematical Modeling (93); Machine Learning (91); Big Data Analysis and Application (91); * **Working Thesis:** The application of U-Net in Multi-Task Anatomical Landmark Detection | | | |
| **PROJECT EXPERIENCE** | | | |
| **Smart Campus Project: E-Canteen Management System** | **04/2022 – Present** | |
| *Leader and Algorithm Engineer* | Xiamen, China | |
| * Led a team of six to develop an intelligent management system for canteens to improve efficiency and convenience, which provides a series of functions including food identification, contact-free payment, meal recommendation, order management, data visualization and etc. * Responsible for training a deep learning model to realize food identification, creatively adopted and improved one of the most advanced object-recognition algorithms - ***YOLOv5*** using ***PyTorch*** to localize and categorize dishes by regressing spatially separated bounding box and associated class probability. * Accelerated the training process of deep learning models by deploying the system to the cloud platform ***MistGPU***, monitored and visualized experiments using the MLOps platform ***Weights & Biases***. * Collaboratively wrote a business plan and entered the 8th “Internet +” College Students Innovation and Entrepreneurship Competition, which was awarded the Second Prize and even acknowledged by the National Innovation and Entrepreneurship Training Program for College Students. | | | |
| **Publication: Empirical Research on the Financial Crisis Pre-warning of Listed Internet Companies Based on Factor Analysis and BP Neural Network Model** | **08/2021 – 11/2021** | |
| *Lead Author* | Xiamen, China | |
| * In charge of a team of two to write a paper of studying a financial early-warning model appropriate for listed Internet companies in China, which has been successfully published in the journal “China Science and Technology Information”, and also won the Second Price in the 2nd Yangtze River Delta Financial Big Data Application Competition organized by Shanghai Economic and Information Commission. * Collected data of over 400 publicly traded Internet companies using web crawler techniques, classified data into four types of indicators – Profitability, Solvency, Operating Ability and Development Capacity, and selected 9 out of 20 factors by PCA dimension reduction. * Built up a BP Neural Network Model to realize classification between companies experiencing financial crisis and those are not, achieving a good accuracy with an AUC of 0.861. | | | |
| **SKILLS & OTHERS** | | | |
| * Skills: Machine Learning, Computer Vision, Medical Imaging, Software Engineering and etc. | | | |
| * Language: Mandarin (Native); English (CET-4: 623 / CET-6: 528). * Personal Blog: https://blog.csdn.net/IYXUAN | | | |