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EDUCATION

University Of Southern California	Los Angeles, CA	Aug 2022 – May 2024 (Expected)
<ul style="list-style-type: none">• M.S. in Analytics• Coursework: Predictive Analytics, Data Analytics Consulting, Database Management, Applied Statistics, Optimization		
Dalian Polytechnic University	Dalian, China	Aug 2018 – May 2022
<ul style="list-style-type: none">• B.S. in Computer Science and Technology• Coursework: Web Technologies, Analysis of Algorithms, Computer Networking, Operating System, Data Structures.		

SKILLS

- **Programming Language:** Python , R , MySQL , Java , C, HTML, CSS, C#, Stata, Docker, Shell
- **Other:** Numpy ,Pandas , Sklearn , Keras , Tensorflow , Latex , Git, Eclipse, Linux, Tableau, Microsoft Excel

PROFESSIONAL EXPERIENCE

Machine Learning Engineer Intern	Neusoft Corporation, Dalian	July 2021 – Dec 2021
<ul style="list-style-type: none">• Used Pandas to execute data cleaning, predicted models with linear, quadratic regression, and visualized the results with Matplotlib.• Conducted Pearson correlation product analysis and random forest modeling with R to classify broaching force situation of CNC(Computer numerical control) machine tool spindle and predict the accuracy rate of out-of-bag data: 90%• Integrated Discrete Hopfield Neural Network into SaCa RealRec, a one-stop machine learning and predictive analysis service platform based on big data distributed processing framework, to realize pattern recognition function.		
Data Analyst Intern	Milyu Advertising Co., Ltd., Shanghai	Oct 2020 - Jan 2021
<ul style="list-style-type: none">• Used Python with Mitmproxy to crawl more than 6000 notes on Xiaohongshu, and performed word frequency analysis (TF-IDF), sentiment analysis, article summary, article tags, and text similarity under the same topic.• Developed web page based on Flask structure to realize the above functions.		

RESEARCH AND PROJECT EXPERIENCE

Deep Learning Classification MRI Research	Oct 2021 - Dec 2021
<ul style="list-style-type: none">• Based on Magnetic Resonance Image for Real Cases, Collaborated with Hospital of China Medical University Executed image preprocess, such as statistical analysis of raw image, format and size conversion with OpenCV library.• Extracted region of interest in the semantic segmentation with the watershed algorithm. Realized image augmentation, including rotation, zoom, random distortion, flipping.• Built a ResNet50 classification model with Keras, calculated F1-Score, and drew ROC curve to evaluate deep learning model's classification ability between normal people and multiple myeloma, multiple myeloma and osseous metastasis.	
Android APP for Automatic Detection of Vegetable Species	Apr 2021 - May 2021
<ul style="list-style-type: none">• Crawled 15 kinds of vegetables 21,000 image data, Applied Pillow Library to realize image processing including resizing, rotation, and transformation.• Trained Inception-V3 model with Keras and Obtained 0.95 F1-Score on test dataset.• Transformed HDF5 format model file to TensorFlow Lite, Deployed in Android Studio. Built Calling local album to upload image recognition and camera real-time recognition functions.	
WES GPA Conversion System of DPU	May 2021 - June 2021
<ul style="list-style-type: none">• Applied Flask to build web structure and collocated the static file resource directories in Templates• Used Bootstrap to beautify the front-end page, and wrote the back-end code, including automatically simulating login using Selenium to fill the login form, and locating the table according to the HTML tag for crawling• Used Panda and Numpy in Python to process the specific data, such as the replacement of credits for certain courses, or the deletion of courses, etc.	

ADDITIONAL EXPERIENCE AND AWARDS

- Presided over the SICA International Students Dragon Boat Festival Gala in English; 06/2019
- Organized activities for members at Student Association as a leader; 04/2019