Xiao ShiShi

134-1902-4186   xrakexss@gmail.com   SerendipitysX.github.io

Education

University of Electronic Science and Technology of China		**Aug. 2018 –Present**
Network Engineering	*School of Information and Communication Engineering*	*Chengdu, Sichuan*

GPA : 3.77 / 4.00   **Grade :** 86.06 / 100

Rank(3-rd year**) :** 5 / 89   **Rank(**2-nd year**) :** 15 / 89   **Rank(**1-st year**) :** 35 / 89

Relevant Courses

- Data Structures
- Probability Theory
- Algorithms Analysis
- Database Management
- Signals and Systems
- TCP/IP Protocol
- Calculus
- Linear Algebra

Skills

Programming : Python | SQL | C | C#

Frameworks / Libraries : Matplotlib | Numpy | Pandas | Scikit-learn | PyTorch | Tensorflow

Software / Tool : Pycharm | Jupyter | Matlab | Axure | Wireshark | Unity | SPSS | PS/AI/PR/C4D

Language : CET-4(599/710) | CET-6(567/710) | TOEFL(87)

Research Experience

Remote sensing image fusion | *First author*   Mar. 2021 – Sep. 2020

- Proposed a progressive neural network for multi-spectral image fusion to maintain fidelity of both spectral and spatial domain, gaining better results on WV-3 dataset compared with the current SOTA method
- Paper: *Progressive Band-separated Convolutional Neural network for Multispectral Pansharpening* (Included by IGARSS 2021)
- Guided by Prof. Liangjian Deng of School of Mathematical Science, UESTC

Medical image processing in chest X-ray | *Leader*   Mar. 2021 – June.2021

- Proposed a method mixed with self-supervised and transfer learning for multi-label classification, and the ROC result reached at 0.867
- Guided by Prof. Ye Mao of School of Computer Science Engineering, UESTC

Data mining Project | *independent*   May. 2021 – June.2021

- Based on ARIMA algorithm and kalman filter, achieving time series smoothing and prediction for feature engineering
- Based on XGBoost algorithm, achieving sensor classification at precision score at 0.919
- Guided by Prof. Gaolei Fei of School of Computer Science Engineering, UESTC

Work & Volunteer Work

ShenDuDuiHua（Beijing）Corporation | *Internship*   July. 2021 – Present
- Work as a communication session designer: develop chat bots using Rasa framework that involves the training of NLP, utilisation of API, and RPA system
- Participate in PaddlePaddle × Wechaty × Mixlab organized by Baidu

Innovation Management Program in National University of Singapore   Jan. 2019
- Participated in NUS's service innovation, business model courses and corporation training
- Carried out business plans and related research.

FIRST Film Festival Screening Leader | *Leader*   Oct. 2018
- Undertook the first screening of the FIRST Youth Film Festival at UESTC
- Designed publicity materials and bridging work independently
- Got a sponsorship worthy 2,000 yuan

Anti-COVID Volunteer/Volunteers of Autistic Children Care Center | *Leader*   2019 - 2020
- Worked as a volunteer in Chengdu Autism Children's Center: assisted teachers in preparing pre-class teaching aids and ensured the individual safety of children.
- Served as a publicity committee member in the Red Cross Hospital, guiding the evacuation of visiting patients and their families, and distributed masks during the COVID-19 outbreak in Feb, 2020

Contest

- The Third Prize of the National College English Contest
- "Honorable Mention" in Interdisciplinary Contest in Modeling Certificate of Achievement
- The Second Prize of Provincial "Challenge Cup", UESTC
- The First Prize of Essay Competition of 2020, UESTC
- The Third Prize of Network Civilization Public Service Advertisement Contest, UESTC

Honors & Awards

- 2018-2019 Outstanding Student Scholarship, UESTC
- 2019-2020 Outstanding Student Scholarship, UESTC
- 2019-2020 National Inspirational Scholarship
- 2018-2019 School-level Outstanding Communist Youth League Member
- 2018-2019 School-level Journalist Department Outstanding Member
- Excellent Team Certificate, Management Program, NUS