Yating Wu

Dalian University of Technology(DUT)

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EDUCATION

Dalian University of Technology   *Dalian, China*
B.Eng. in Computer Science & Technology(Intensive Japanese)   *Expected Jul. 2019*
Overall GPA: 91.94 Rank: 1/45

The University of Tokyo   *Tokyo, Japan*
Undergraduate Exchange Student in Electronic & Information   *Sept. 2017 - Aug. 2018*
Studied and Researched at Aizawa Yamasaki laboratory

RESEARCH & PROJECT

CNN-Based Classification of Depression from Audios   *Tokyo, Japan*
-Supervised by Associate Professor Toshihiko Yamasaki   *Apr. 2018 - Jul. 2018*

- Preprossed data to get relative ideal data set, by python.
- Transfered audios into spectrogram information and extracted features, by python.
- Optimized a Depression Classifier with *VGG19* structure, by python.
- Improved 3% in ROC curve, 3.2% in F1 score, 15.3% in recall scores compared with baseline CNN; performed better than a more complicated model named DepAudioNet.

Course Projects   *Dalian, China & Tokyo, Japan*
Lead Developer   *Jul. 2017, Feb. 2018*

- Wrote a colored Tetris Game with different levels; as the level went higher the blocks fell faster, by C.
- Wrote a ICA project that could separate waves, music, and photos without using any ICA tools, by python.
- Got excellent feedbacks and A scores for both of the two projects.

***TI CUP* Intelligent Car Contest**   *Dalian, China*
Test Developer   *Dec. 2016*

- Wrote & Tested programs on intelligent car to make it run by route, by Keil C51.
- Speeded up the car by refining its structure and codes, by Keil C51 and Altium Designer.
- Took second place in the car race of 61 teams (2/61).

***TI CUP* Electronic Design Contest**   *Dalian, China*
Lead Developer   *Dec. 2014, 2015, 2016*

- Designed & Tuned a mini audio power amplifier, by Altium Designer
- Co-worked a smart flower pot that is self-watering and turns according to the position of sun.
- Won the first prize for this smart pot among 150 teams(Top 10%).

HONORS

China Scholarship Council scholarships	*Sept. 2017 - Aug. 2018*
Learning Excellence Award in DUT(Top 5% once, Top 15% twice)	*Oct. 2015, 2016, 2017*
First prize in *DUT TI CUP* Intelligent Car Contest(Top 5%)	*Dec. 2016*
First prize in *DUT TI CUP* Electronic Design Contest(Top 10%)	*Dec. 2016*
Second prize in *DUT TI CUP* Electronic Design Contest(Top 20%)	*Dec. 2014, 2015*

PUBLICATION

Yating Wu, Toshihiko Yamasaki. CNN-Based Classification of Depression from Audios.The 21st Meeting on Image Recognition and Understanding(MIRU) 2018 , PS3-58, Aug.5-8, 2018, Sapporo.//

SKILLS

Language: Chinese(Native), English(Fluent), Japanese(Fluent) JLPT N1(percentile rank: 90.3%)
Computer Languages: proficient at C/C++, Python, familiar with Verilog, Ocaml, HTML/CSS, LaTeX
Technologies: proficient at Altium Designer, Tensorflow, Jupyter ,Adobe Audition, famUar with MATLAB