Yating Wu

Dalian University of Technology(DUT)

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EDUCATION

Dalian University of Technology *Dalian, China*
B.S. in Computer Science & Technology(Intensive Japanese) *Expected Jun. 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 confidential audios data, by python.
- Transfered audios into spectrogram information and extracted features, by python.
- Optimized a Depression Classifier with *VGG19* structure, by python.
- Improved performance , we surpassed baseline CNN 3% in ROC curve, 3.2% in F1 score, 15.3% in recall scores and got a better accuracy. Besides, our model even 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 go higher the blocks fall 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.
- Refined the structure of the car and the code to get faster car, by Keil C51 and Altium Designer.
- Won the second fastest in all 61 teams(2/61) for this car.

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

- Designed & Tuned a mini power amplifier that could amplify music, by Altium Designer
- Co-worked a smart flower pot that could automatically feed water and turn to sunshine.
- Won the first prize in 2016 TI Cup among 150 teams(Top 10%) for this smart pot.

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, familar with MATLAB