Yating Wu(Wyatt)

The University of Texas at Austin

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EDUCATION

The University of Texas at Austin *Austin, America*
M.S. in Computer Engineering *Jan. 2020 - Dec. 2021*
Dalian University of Technology *Dalian, China*
B.Eng. in Computer Science & Technology(Intensive Japanese) *Sept. 2014 - Jul. 2019*
*Overall GPA: **91, Ranking: 1/45***
The University of Tokyo *Tokyo, Japan*
Undergraduate Exchange Student in Information & Communication Engineering *Sept. 2017 - Aug. 2018*
Studied and Researched at Aizawa Yamasaki laboratory

RESEARCH & PROJECT

Collaborative Online Text and Graphic Whiteboard System *Dalian, China*
Lead Developer *Jan. 2019 - Apr. 2019*
- Achieved multiple ways(graffiti & chat) for users to collaborate, by C++.
- Achieved history loads and client-server part, by C++.

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.

***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).

HONORS

Outstanding graduates in DUT *Jul. 2019*
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*

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(N1 is top)
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