Chenyang GAO (Alvin)

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EDUCATION

Tianjin University   *Sep. 2017 - present*

Master of Biomedical Engineering

Laboratory of Embedded System and Intelligent Computing

- Research Direction: Biomedical Image and Signal Processing
- Major Courses: Statistics Application, Optimal Method,
  Modern Signal Processing, Neural Networks for Machine Learning (Coursera)

Tianjin University   *Sep. 2013 - Jun. 2017*

Bachelor of Biomedical Engineering

- GPA: 3.5/4.0
- Major Courses: Basis of Computer Software Technique, C++ Programming, Introduction to Artificial Intelligence, Biomedical Signal Processing, Biomedical Photonics, Medical Image Processing
- Honors/Awards: Outstanding Graduates, Bohai Securities Scholarship (Top 8% of Department), Merit Student, Excellent Student Cadre

PROFESSIONAL EXPERIENCE

MeDomino Insights, Shanghai   *Aug. 2018 - present*

Intern, QA Department

- Designed and implemented function for "doctor background" text similarity analysis based on NLP
- Verified source data and analyzed correctness of data merge result
- Responsible for web visualization based on R-Shiny for data quality reporting
- In charge of API test for project main features

PROJECT EXPERIENCE

Epileptic Seizure Detection and Channel Selection Using Deep Learning   *Feb. 2018 - present*

- Method: CNN-AutoEncoder, Transfer Learning
- Result: Using reduced EEG Channel the recognition accuracy on the test set (scalp EEG) reached 90%

Crowd Counting in Public Based on OpenCV   *Feb. 2016 - Jun. 2016*

- Method: SVM, Harr & Hog Feature extraction
- Result: Tested with the video collected in the public lecture hall, and the rate of missed detection is 5%/min

MISCELLANEOUS

- **Leadership Experience:** President of the Youth Volunteers Association (Jun. 2015 - Jun. 2016)
- **Languages:** English (Fluent, CET-6), Mandarin Chinese (Native)
- **Skills:** Experienced in Python (TensorFlow, Keras, skleran...), Shell, R-Shiny, Photoshop
- **Interests:** Photography, Indie Rock