Chi-Wei, Hsiao

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Education

National Chiao Tung University
B.S. in Computer Science, Expected Jun 2018.
- **Last 60 GPA** : 4.0 / 4.0
- **Overall GPA** : 3.88 / 4.0

Experience

Part-time Research Assistant, Academia Sinica – Nov 2017– Present
- Find affinity matrix for normalised cut with constrained optimisation and closed-form solution.

Intern, Academia Sinica – Jun 2017– July 2017
- Experiment the effect of small-world network and augmented Lagrangian method on normalised cut.

Backend Engineer, NCTU+ – Jun 2016–Present
- Developed team page and several website features.

Awards & Contest

- 1st place, MOST Formosa Speech Grand Challenge Warm-up Contest – Oct 2017
- WeTech Qualcomm Global Scholars Program – Dec 2016
- 3rd place, ASUS Group of Mei-Chu Hackathon – Oct 2016
- Academic Achievement Awards – Spring 2016, Fall 2015

Projects

MOST Formosa Speech Grand Challenge Warm-up Contest, 1st place
Select proper response based on given multi-turn conversation. Build RNN and CNN-based dialogue model with Word2vec pre-trained embedding layer. Final model reaches 72% accuracy in preliminary round, 58.75% in final round (6.85% higher than 2nd-place team.)

Deep Reinforcement Learning Game Agent
Build an agent to play games from OpenAI Gym with Double Deep Q-Network.

RNN Forex Trader
Predict foreign exchange rate with Hidden Markov Model and Recurrent Neural Network and automatically make orders through OANDA REST API.

Skills

- Familiar with C++, Matlab, RoR, Python and Tensorflow.