

KUAN-YU CHEN

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OBJECTIVE

To obtain an Internship and sharpen my skills to be successful as a Data Scientist.

EDUCATION

- September 2016 – April 2018 University of Michigan (UMich), Ann Arbor, Michigan, United States
Master of Science in Electrical and Computer Engineering (Machine Learning Track). Overall GPA: 3.4/4.0
- September 2011 – June 2015 National Taiwan University (NTU), Taipei, Taiwan
Bachelor of Science in Engineering Science and Ocean Engineering
(Presidential Award 2015 Fall– Awarded to students ranking top 5% in department)
Major GPA: 4.03/4.3, Overall GPA: 3.71/4.3

WORK EXPERIENCE

- September 2015 – August 2016 Teaching Assistant, NTU
- Assisted in Signals and Systems, Linear Algebra, Fundamental Engineering Laboratory, Engineering Mathematic I and II
- July 2014 – September 2014 Intern, Research and Development Department, AIRTEK, New Taipei
- Constructed a communication system for the controllers and test the stability of the system
 - Built user interfaces for the products with software provided by the company
 - Helped repair and test goods to be delivered

PROJECT / RESEARCH EXPERIENCE

- September 2016 – Present GEMS: Graph Exploration and Mining at Scale Lab, UMich
- Topic: Multiple Graph Alignment for Attributed graphs
 - Design an algorithm that utilize Locality Sensitive Hashing to get potential matching when given multiple graphs
 - Explore through different structural attributes and node attributes of graphs to best align graphs in short time
 - Improve our algorithm to guarantee performance on larger graphs
- September 2016 – December 2016 Mining Large-scale Graph Data Course, UMich
- Topic: Anomaly Detection via Transfer Learning
 - Derive various attributes from large YouTube Datasets with Python
 - Apply Transfer Learning technique on preprocessed YouTube Datasets
 - Find potential anomalies from mismatches while learning the labels
- September 2016 – December 2016 Machine Learning Course, UMich
- Topic: Apprenticeship Learning
 - Implement self-learning techniques on a GridWorld and a car driving simulation experiment using Python
 - Analyze our results with different algorithms and experiment settings

SKILLS

- Courses at UMich Machine Learning, Database Management System, Mining Large Scale Graph Data, Probability, Operating System
- Coursera Machine Learning, Algorithm, Recommender Systems
- Computer Skills Programming: Python, C++, JAVA, SQL
Software: MATLAB, Hadoop, LaTeX, Microsoft Excel