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: Hashed-based Alignment of Multiple Graphs
- Design an algorithm that utilize Locality Sensitive Hashing to get potential matching when given multiple graphs
- Explore through different attributes, hashing settings and datasets to align graphs both effectively and efficiently
- 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
- Processed large temporary YouTube Datasets, extracted various attributes and constructed graphs using Python
- Apply machine learning algorithms and learn labels for each node
- Find potential anomalies using mismatching 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