# KUAN-YU CHEN

3035 Whisperwood Dr. Apt 341, Ann Arbor, MI 48105

Mobile: 734-263-4950 E-mail: kyuchen@umich.edu LinkedIn: www.linkedin.com/in/kyuchen0718

## 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 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