Tong Wu

408 S Locust St., UB Box 7142, Greencastle, IN 46135

tongwu98@outlook.com| 765-720-4989 | https://www.linkedin.com/in/tongwu98/

EDUCATION

DePauw University, College of Liberal Arts – *GPA 3.94/4.0 / Dean's List All Semesters* Greencastle, IN

Bachelor of Arts; Pre-Engineering Major; Math Minor: Intended Concentrations: Machine Learning May 2018

Relevant Coursework: Machine Learning, Neural Networks and Deep Learning, Data Structures

The Experimental High School Attached to BNU – *GPA 93.8/ 100* Beijing, CN

High School Diploma; AP Courses: Calculus BC, Statistics, Physics C, Macroeconomics, Microeconomics Sep 2013-Jul 2016

EXPERIENCE

Beiqi Foton Motor Co., Ltd. Beijing, CN

Summer Marketing Intern May 2017-Aug 2017

- Researched extensively on government policies regarding Battery Electric Vehicle and predicted sales from the analysis results
- Conducted analysis on core company competencies including battery aging, engine efficiency, and customer service etc.
- Assisted in marketing team's daily operations including translating over 100 pages market survey reports from English to Chinese

Key Laboratory of Heavy Oil, China University of Petroleum Beijing, CN

Summer Research Assistant Jun 2015-Aug 2015

- Aided research scientists to develop Complex Oxide Catalysts for the elimination of soot and NOx from diesel engine exhaust
- Helped the professor and other researchers prepare testing experiment, including gathering lab supplies and setting up equipment
- Examined the reaction state constantly, reported the research data to the computer accurately and preformed related calculations

LEADERSHIP & PROFESSIONAL DEVELOPMENT

Objects Recognition Greencastle, IN

Individual Programmer Aug 2017-Present

- Preform logistic regression, neural networks in Python to train a model that can distinguish images of cats and non-cats
- Obtain a test accuracy of 84% after choosing a 5-layer neural networks and running 2500 iterations
- Improve the program to extend the scope of objects being recognized including animals, cars etc.

Michigan Competition/MATH Challenge Greencastle, IN

Group Member Aug 2017-Nov 2017

- Worked as member of the DePauw Team and led regular seminars focusing on math theorems like number theory, graph theory
- Placed 3rd out of 74 participating college teams in the highly competitive math problem solving challenge (scored 81/100)

DePauw Science Research Fellow Greencastle, IN

Fellow Member Dec 2016-May 2017

- Conducted a research on the coal-burning which created most particles of air pollutions in China (PM 2.5)
- Drafted written report and gave a presentation of improving efficiency of burning coal using different ways

Volunteer Teaching Association of Experimental HS Attached to BNU Hebei, CN

Founder and Vice-President Nov 2015-May 2016

- Founded the club in Fall 2015 in the aims to give the primary school students different perspectives of education
- Organized monthly seminars to prepare the classes and discuss the gains in teaching progress
- Properly scheduled the time for students and teachers, kept working on giving the best experience to students

OTHER SKILLS & INTERESTS

Computer: Microsoft Applications, Python (Numpy, Sci-kit learn, matplotlib, etc.), Java, C++, Octave, Mathematica, Wolfram Alpha

Language: Mandarin (Native Proficiency), English (Proficient), Japanese (Elementary)

Interests: Deep Learning, Neural Networks, Big Data, Advanced Technology, Go Game, Soccer, Music Theory, Tai Chi Walk

Summer Schools: Beijing Jiaotong University, 2015&2017 Courses: Linear Algebra, Statistics, Public Speaking etc.

Extracurricular Activities: DePauw Data Science, DePauw Soccer Club, DePauw Trap & Skeet Club, DePauw Go Game Club

Others: Volunteer at Beijing Museum of Natural History, Participant of Chinese Go Game association, Member of the Student Union at Experimental HS Attached to BNU, Certification of Neural Networks and Deep Learning on Coursera, Participant in Putnam Mathematical Competition, President of class 2016