Wenjie Chen

646-255-8610 | wc2685@columbia.edu | www.linkedin.com/in/jack091chen | https://jackchen96.github.io/
120w 105th St Apt 3F, New York, NY 10025

EDUCATION

Columbia University in the City of New York   ***New York, NY***
- M.S in Electrical Engineering (Data driven analysis track)   ***Sep 2019-Dec 2020 (expected)***

Xi'an Jiaotong University (XJTU)   ***Xi'an, China***
- B.S in Electronic Science and Information Technology   ***Sep 2015-Jun 2019***
- Merit Student, Excellent Class Leader

Courses include: Cloud Computing and Big Data, Database, Computer Network, Neural Network and Deep learning, Statistical Learning, Operating System, Algorithm, Amazon Web Service Certified 2019…

PROFESSIONAL EXPERIENCE

GalaxyCore, R&D Center   ***Shanghai, China***
Product Application Engineer Intern (focused on Data Analysis)   ***Jul 2018-Aug 2018***
- Performed ongoing analysis based on data from over 2,000 chips and extracted multiple report indicators
- Accomplished data cleaning and A/B test; Debugged and validated the Matlab algorithm source code, process
- Improved, and optimized existing algorithms to ensure the high speed, robustness and quality of product (>99.95%)

Xi'an Jiaotong University, Youth League Committee, "TiaoZhan Net"   ***Xi'an, China***
Software Engineer Intern (part-time)   ***Sep 2015-Aug 2017***
- Built the official web site for Youth League Committee: https://www.tiaozhan.com; https://apply.tiaozhan.com/
- Cooperate to developed the application system of "Application for Public Resources in XJTU-WZ" with php, jQuery, and MySQL to handle and evaluate 3000+ undergraduate students' applications for public resources
- Participated in the technical team that committed to the design and development of the website, and the operation and maintenance of the server and website

PROJECTS

The Web Developer App "YelpCamp"   ***New York, NY***
- https://evening-harbor-35564.herokuapp.com   ***Jul 2019-Aug 2019***
- Designed full-stack web applications about travel social sharing from scratch using Express, MongoDB, and Semantic UI, including create static HTML and CSS portfolio sites and landing pages, use Bootstrap to create good looking responsive layouts
- Used Node.JS to write server-side JavaScript; Manipulated the DOM with jQuery

Construction and Operation of a 3-Layer Network & Video CDN   ***New York, NY***
- Columbia University Computer Network Course Project   ***Oct 2019-Dec 2019***
- Set up an autonomous system (AS) including 9 routers which data can travel between 22 ASes; Implement different BGP policies to travel with outer internet (just like building an internet by ourselves)
- Implemented a proxy that handles multithreaded clients and passes data (video) between client-server; The proxy can smartly perform bitrate adaptation based on network status (works like Youtube)

Predicting the popularity of movies with machine-learning methods   ***New York, NY***
- https://github.com/JACKCHEN96/EECS-E6690-final-project   ***Oct 2019-Dec 2019***
- Extracted and quantified the crowd-source based features from conventional features and social media
- Used different machine learning methods such as Classification tree, Random forest, Artificial neural network to predict the popularity of movies
- Achieved 70% of prediction the popularity of movies and made comprehensive review of all methods and features

Recurrence of all Basic Concepts and Classic Models in Deep Learning (using GCP)   ***New York, NY***
- https://github.com/JACKCHEN96/DeepLearning-project-CYHA   ***Sep 2019-Dec 2019***
- Implemented all basic concepts of Neural network and Deep-learning in Python (NumPy, TensorFlow and so on)
- Implemented Convolutional neural network (used LeNet to achieve over 95% accuracy in Kaggle bottle classification competition), Recurrent neural network (compute XOR operation)
- Realized simple translating French to English
- Reproduced the paper "Multi-Digit Number Recognition from Street View Imaginary Using Deep CNN"

PROFESSIONAL SKILLS

- Skills: Python, Java, C, JavaScript, Matlab, R, SQL, PHP, HTML, CSS, Node.js, MongoDB, React, Spark, Hadoop…