Peiyu Wang

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DATA SCIENCE WORK EXPERIENCE

Data Science Intern, Mid-Atlantic Permanente Medical Group, Rockville, MD   01/2020 –Present
- Replicate Natural Language Processing models from most recent medical deep learning research to build end-to-end Natural Language Processing Models and assess interventions applied to patients
- Successfully built a multi-class classification Natural Language Processing model from free text doctor notes to ICD-10 codes with Tensorflow with one month's work which yielded an average AUC of 0.95 on testing set
- Help set up the distributed computing system architecture with Docker Swarm, Kubernetes, Hadoop and Spark within the organization to scale up machine learning and deep learning tasks.

Data Analytics Intern, Athenium Analytics, Washington, DC   10/2019 –01/2020
- Gathered, verified and conducted analysis of insurance-related data developed by Athenium Analytics and built processes and models for entity recognition in various messy or free-text data sets
- Conducted due diligence of policies across states for new projects and constructed project base and structure based on the information gathered

Data Analytics Intern, MilliporeSigma, Rockville, MD   06/2019 – 08/2019
- Designed and implemented 100% of the reproducible, scalable and efficient Data Cleaning and Integration Pipelines to standardize and automate future Data Cleaning and Integration process based on the inputs, demands and feedback of cross-functional teams
- Designed and implemented 100% of the interactive Data Visualization platforms with Tableau

SOFTWARE ENGINEERING PROJECT

Lead Software Engineer for Virtual Machine Project for Computer System Architecture class in JAVA
- Led the team, divided and assigned tasks to teammates and managed the timeline for tasks. Integrated code, debugged, unit tested and organized code into more object-oriented format for submission
- Contributed Software Engineering expertise in the development of the virtual machine projects through the Software Lifecycle, from requirements definition through successful deployment

EDUCATION

George Washington University, School of Engineering and Applied Science, Washington, DC, **GPA: 3.9/4.0**
Master of Science in Data Analytics, Tracks: Systems Engineering & Computer Science   08/2018-05/2020

University of Delaware, Alfred Lerner Business College, Newark, DE (Dual Degree), **GPA: 4.0/4.0**
Bachelor of Science in Management Information Systems, Minor: Computer Science   08/2016-05/2018

Southwestern University of Finance and Economics, School of Economic Information Engineering, Chengdu, Sichuan, China (Dual Degree), **GPA: 3.8/5.0**
Bachelor of Business Administration in E-commerce   09/2014-05/2018

SELECTED HONORS & AWARDS
- Distinguished Senior Panel for Management Information Systems in 2018 (From University of Delaware)
- Distinguished Junior Panel for Management Information Systems in 2017 (From University of Delaware)