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Introduction

I am an engineer who is interested in Data Science and Machine Learning. Currently, I am a graduate student in the Data Analytics program in the George Washington University. My goal is to be a Data Scientist in the technology field.

EDUCATION

• The George Washington University

Master of Science in Data Analytics, School of Engineering and Applied Science

Washington D.C., USA Aug. 2018 – Dec. 2020

• Shanghai University of International Business and Economics

Bachelor of Arts in Economics; GPA: 3.71/4.00

Shanghai, China Sept. 2013 – June. 2017

WORK EXPERIENCE

• Kantar Media CIC

Shanghai, China

Data Engineer Intern

July 2016 - Feb 2017, 8 months

- o Data Collection: Designed data collection and data cleaning solution for Chanel APAC project.
- **Text Mining**: Developed text mining system with team members. The system were used in making data analysis solution for L'Oréal, Chanel, Volkswagen and Dell.
 - * The system contains a rule parser and an evaluator, which are able to let the data analysts to define the patterns that they want to match.
 - * The system can provide basic-level functions for sentiment analysis
- o Data Visualization: Developed Data Visualization Solution for GroupM television show.

Projects

- Compiler and Virtual Machine: The project contains a compiler for a statically typed language, a byte code disassembler and a virtual machine. Besides, I designed a byte code instruction list, which is similar to the JVM instructions. And also, my implementation of the virtual machine taking JVM as reference. The compiler and disassembler are written in C++ and the virtual machine is written in ANSI C.
- Matrix Library: The matrix library is implemented in C#, which can be used for matrix computation and solving linear equations. Since the numerical calculation packages on the .Net platform are very limited, some developers used this library as a lightweight choice.
- Tic Tac Toe A.I.: Developed a Tic Tac Toe game A.I. by using neural network and reinforcement learning.
- Reversi A.I.: Reversi is a board game. Due to the huge amount of possible states of the game, it is next to impossible for computer to enumerate every situation. Therefore, I implemented the minimax algorithm with alpha-beta pruning. The project is written in C++ and has a GUI which is build using Qt5 Framework.
- Text Co-occurrence Network Analsis for The Hunger Games: Completed a text analysis project where implemented text co-occurrence network to visualize the relationship between the main characters in the novel *The Hunger Games*. Written the program in Python and used packages including nltk, pandas, matplotlib and wordcloud. Plotted the network by using Gephi.

Programming Skills

- Languages: C, C++, C#, Java, Scala, Python, R, SQL, Scheme/Racket, Html/CSS
- Technologies: Data Analysis, Qt 5 Framework, Linux, MySQL, Sqlite3
- Software: Gephi, Minitab