NANCY XIE

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OBJECTIVE

Passionate about creating efficient and organized software

EDUCATION

University of Texas at Dallas
B.S. of Software Engineering
Aug. 2015 - (Exp.) May 2019
GPA 3.66

RELATED COURSEWORK

UNIX/LINUX
Programming I & II (Java & C++)
Data Structures
Network Systems
Database Systems
Programming Languages
Discrete I & II

SKILLS

PROGRAMMING LANGUAGES

C++
C
Java
Perl
Bash
Racket
SQL

ENVIORNMENTS

Windows
Mac OSX
Linux
Unix

TOOLS

Xcode
Visual Studios
MySQL
Eclipse
Adobe Suite
MS Office

PROJECTS

System Processing in C (2017)

- Created parent and child processes using pipe and fork
- Documented and observed elasped time using timeval structure to compare the two proccesses
- Developed a histogram of the million system proccess elapsed times using a bucket system

Sudoku Game in Java (2017)

- Used object oriented programming to generate the game
- Implemented the backtracking algorithm and recursion solve the puzzle
- Constructed an interactive Sudoku game board using JavaFX and swing programming

Data Processing Unix in Perl, Bash, and Shell (2017)

- Utilized awk, sed, and grep commands with regular expression to clean data, extract useful information and format data.
- Handled data manipulation using text editors such as vi and emac

Freeplay Database in C++ (2016)

- Developed Add, Delete, Edit, Search and Sort functions to alter data in the database
- Applied pointers, object oriented programming and recursion construct linked lists

Infix to Postfix Calculator in C++ (2015)

-Used object oriented programming with data structural techniques of pointers, doubly linked list, and stacks
- Converted read-in infix equations to postfix equations
- Calculated postfix equations with a stack data structure

AWARDS

Johnson School of Academic Success Scholarship (2015 -)

EXPERIENCE/EXTRACURRICULAR

Teachers Assistant // *HuaYi Education (2015 - Present)*
- Assisted teacher with daily tasks and provided guidance to students in subjects (i.e. Math, English, and Chinese)
- Delivered creative and interactive classroom activities

Photographer// *Richland Collegiate College High School (2015)*
- Photograph the school's prom

Co - Owner // *Next Photography (2016 - Present)*
- Provided quality photography service for activities and events
- Created and managed company's website and social media page

Operation's Team Member//*Associated Computing Machinery (2015)*
- Organized and planned event details
- Revitalized and rejuvenated group's social media pages