

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

Operating Systems

Database Systems

Programming Languages

Discrete I & II

Skills

Programming Languages

C++

C

Java

Perl

Bash

Racket

SQL

Environments

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 elapsed time using timeval structure to compare the two processes
- Developed a histogram of the million system process 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 emacs

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