CHI HOON KIM

GITHUB   WEBSITE   jihoonk1116@gmail.com
Queens, New York   (929) 329 - 7170

LANGUAGES

Java   C/C++   Java Script   Python

TECH SKILLS / TOOLS

Cloud Computing (AWS)	MySQL, Oracle	Node JS	Express	React
Algorithm	Operating System	Data Structure	Git	jQuery

SOFT SKILLS

Teamwork, problem solving, eager and fast to learn, well organized, time management and responsible

CERTIFICATION

AWS Associate Developer
• Certificate for AWS Cloud Computing

PROJECTS

Online Course Platform
• Implemented online course enrolling & registering website (mocking college course enrollment system) utilizing HTML, CSS,JavaScript, Bootstrap, jQuery, NodeJs, Express, Mongoose, JWT and Repl.it
• Built login module to allow users to authenticate themselves and manage their information
• Integrated the system with MongoDB to persist user and class information
• Developed search functionality that allows users to look up details of courses by keyword

Banking System
• Implemented banking system in JAVA utilizing different design models to build its functionality
• Built transaction logger to gather user's transactions utilizing Observer pattern
• Modularized bank actions (deposit, withdraw, transfer) and account into separate function classes to ease up code readability using both Strategy and Factory pattern

Programming Language Top-Down Parser
• Implemented a programming language based on Java language
• Built the Lexical Analyzer that takes texts as input and transforms into a stream of tokens
• Built Top-down Parser that constructs a parse tree that validates the given token

Round Robin Scheduler
• Implemented preemptive & non-preemptive process scheduler that execute a process within a fix time, quantum, in C
• Developed preemptive algorithm that selects a higher priority process replacing current bursting process
• Developed non-preemptive algorithm that keeps current bursting process to execute in quantum even when a higher thread is entered
• Built Linked-list data structure that conserves the list sorted in priority order without using the built-in sort function

Memory Allocator
• Implemented a memory allocator in C utilizing worst-fit mode to place a process in the largest block of unallocated memory available
• Developed allocation, deallocation algorithm to place a process to proper memory address and release an allocated process
• Built compaction function to add up all available memory in order to generate the largest block

To-do Assistant
• Built a command line to-do application in python that allows users to quickly navigate, modify, and save a list of to-dos in terminal
• Modularized actions into separate function classes to ease up code readability
• Utilized JSON to save the to-dos to maximize the performance and simplify the persisting process of data

WORK EXPERIENCE

Kairos Times - Web Developer
June 2021 - August 2021
• Enabled third-party user authentication to allow users to easily navigate through Kairos Times website using their existing Google/Facebook/Naver/Kakao accounts
• Registered Kairos Times Website on various search engines like Google that allow the company to attract customers easier
• Maintained the quality of the website by promoting a high coding standard utilizing HTML, CSS, and JavaScript

Republic of Korea Army - First Lieutenant
March 2014 - June 2016
• Served as Company Commander & Platoon Leader responsible for planning operations strategy, leading the companion, operating deployed equipment, handling the emergency situations
• Responsible for the health, welfare, training, discipline, morale, combat-readiness, and professional development of 70 employees to maintain the highest levels of deployment readiness
• Led company to support communication system to transport operation information and circumstance from headquarter to the smallest unit

EDUCATION

Queens College
Queens, NY   Fall 2019 - Current
• Bachelor's Degree in Computer Science

Queens Community College
Queens, NY   Fall 2017 - Fall 2019
• Associate Degree in Computer Science
• Tech Club activity: built static website

SeoKyung University
Seoul, Korea   Spring 2010 - Spring 2014
• Bachelor's Degree in Electronic Engineering
• ROTC Training, Studied Military Science