Nalongsone Danddank

Software Engineer | New Graduate 2022

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EXPERIENCE

Software Engineer Intern @ Infosys Limited, Jan2020-May2020, Phoenix, AZ.

- Design and development applications and implementation of Object-Oriented Design using core Java, Algorithm and Data Structure with Java Collections API.
- Worked JDBC connect pooling to access the oracle Database.
- Get Trained and learned with Restful API implement by Spring boot, Spring cloud and Microservices Architecture. DevOps tools, GIT, Docker, Linux, MongoDB.
- Design and implement single page website using, React.js, and HTML5, CSS3, Javascript.

FEATURED PROJECTS

Find Path Travel Cities Algorithm Code

- This is an advance algorithm project from CS course – Algorithms and Data Structures.
- Algorithm Deliverable D – finding Ham cycle path by local search or Genetic Algorithm.
- Algorithm Deliverable C – From the starting city use depth first search with iterative deepening to find the nearest goal city.
- Algorithm Deliverable B – find the shortest Bitonic Tour of the cities.

Distributed and Cloud Computing Course's Assignments Code

- Working with Cloud Virtual Machines : AWS EC2 instance, GCP Virtual Machine.
- Load Balancing and Auto Scaling, MapReduce, Docker in AWS and GCP.

Airline Search App

- This Project is Full-Stack Application of Airline Search service Restful API.
- Client side, single Web page, was implement with Angular CLI version 8.3.20. Code
- Server side implements by Java spring boot and connect to MySQL Database. Code

Post Message Web APP View

- This project is the single page that build by React.js. Code
- Fetch all data from web server using MongoDB to save data this server API that has been deployed to Heroru and testing with Mocha&Chai. Code

Data Sockets with Multi-thread Code

- Creating multi-thread of self-running object to wait for client requests to be sent up then send back the appropriate response.
- Use the writeUTF(String s) method on DataOutputStream to send a reqeust over the OutputStream of the Socket. Use the readUTF() method on DataInputStream to receive a request from the InputStream of the Socket.

Predict Profits and Prices by Machine Learning Code

- Using Linear Regression of Machine Learning method, implement by Python Numpy.
- One variable: to predict profits for a food truck. Considering different cities for opening a new outlet. Using this data to help you select which city to expand to next.
- multiple variables: to predict the prices of houses, to predict what a good market price.

SKILLS

Languages | Frameworks

- **Java**Advanced: SpringBeginner, JUnit, JDBC.
- **Python**Advanced : Numpy, Panda.
- **SQL**Advanced, NoSQL, XML, JSON.
- JavascriptIntermediate : Node.jsBeginner, HTML/CSS, React.jsBeginner, Webpack.

Algorithm & Data Structure

Array, Linked List, Stack, Queue, Heap, Hash Table, String, Regex, Trees, Graph, Recursion, BTS, DFS, BFS, Dynamic Prog, Greedy Alg, Genetic Alg, Bellman-Ford's Alg, Dijkstra's Alg, All Pairs Shortest Path.

CS | OS | Networking | Tools

Object-Oriented Programming, Design Patterns, UML, Parallel & Multi-thread, Socket, HTTP, Bash, Linux, Vim, Git.

Cloud Computing | Database

AWSBeginner: IAM, VPC, ELB, EC2, Lambda, S3, EBS, EFS, RDS, DynamoDB; GCPBeginner: Compute Egnine, Cloud Storage, Cloud SQL, Filestore; DockerBeginner, MongoDB, MySQLIntermediate.

Machine Learning Beginner

Supervised Learning: Linear & Logistic Regression, Unsupervised Learning: Neural Networks, Keras.

Certificate

- Machine Learning.
- Deep Learning Specialization.
- Mathematics for Machine Learning Specialization.
- Software Engineer Machine Learning.
- AWS Academy Graduate

EDUCATION

Metropolitan State University

Bachelor in **Computer Science**

GPA: 3.9/4

Graduate date: **May** 20, **2022**

Saint Paul, MN, USA.

More Projects and Works on my website: ndanddank.github.io