Thanh Nguyen

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EDUCATION

SAN JOSE STATE UNIVERSITY | B.S. Computer Science
May 2020 | GPA: 3.84 / 4.00

SKILLS

Python, Java • SQL, NoSQL
HTML, CSS, React, Python Flask

COURSEWORK

Data Analytics and Prediction• Operating System•NoSQL• Programming Paradigms• Database Management Systems• Data Structures and Algorithms• Object-Oriented Design• Theory of Computation• Statistics and Probability

EXPERIENCE

AFFINITY SOLUTIONS INC. | Big Data Mining Intern
May 2019 – current | San Jose, CA

- Utilize SQL and RegEx to analyze transaction data
- Assist with development tasks, build match algorithms

D & T FOODS INC. | Administrative Assistant
Sep 2014 – Aug 2019 | Santa Clara, CA

- Work as Inventory Control Clerk and Purchasing Assistant
- Create automation tools using VBA in Excel to ensure inventory record accuracy and eliminate repetitive tasks
- Use Microsoft Dynamics NAV ERP and Microsoft Excel to extract, manipulate and analyze data
- Develop operation procedures, test questions and train 10+ new employees in Purchasing Assistant position

PROJECTS

MOVIE RECOMMENDATION WEB APPLICATION | Python, React.js, SQLite, Bootstrap
Software Engineering class | Fall 2019
Build a full-stack web application for a movie recommendation system using Python Pandas, Scikit-learn. With TMDB 5000-movie dataset and content-based recommendation algorithm, user can browse, rate movies and receive recommended movies

ENCRYPTOR DECRYPTOR WEB APPLICATION | PHP, MySQL, Javascript
Individual work for Server-side Web Programming class | Grade A | Spring 2019
Build a web application that encrypts and decrypts text using 3 algorithms: Simple Substitution, Double Transposition and RC4. The application supports: user authentication, password management, file uploading, sessions and cookies, client-side validation

SEARCH ENGINE SIMULATOR | Java, Swing, jsoup
Individual work for Data Structure and Algorithms class | Grade A | Fall 2018
Use different types of data structures, sorting algorithms and HTML Parser to simulate a search engine, where user can search for a keyword, find related links sorted by a page rank for each link, change a page rank, update the result page, add, delete a link, and find the most popular keywords

SOCIAL NETWORK SIMULATOR | Java, Swing
Individual work for Data Structure and Algorithms class | Grade A | Fall 2018
Use Hash Table, Hash Function and Linked List algorithms to simulate a social networking site, where user can create a profile, add and remove a friend, check friendship of any two users and see friend list of their friends