Thanh Nguyen

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EDUCATION

SAN JOSE STATE UNIVERSITY | B.S. Computer Science
Expected Spring 2020 | GPA: 3.89 / 4.00

DE ANZA - FOOTHILL COLLEGE
May 2018 | GPA: 3.73 / 4.00 • Major GPA: 4.00 / 4.00

EXPERIENCE

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

- Utilizing SQL and RegEx to analyze transaction data
- Assisting with development tasks, build match algorithms

D & T FOODS INC | Administrative Assistant
Sep 2014 – current | Santa Clara, CA

- Inventory Control Clerk and Purchasing Assistant
- Creating automation tools using VBA in Excel to ensure inventory record accuracy and eliminate repetitive tasks
- Using Microsoft Dynamics NAV ERP and Microsoft Excel to extract, manipulate and analyze data
- Writing operation procedures, test questions and trained 8 new employees in Purchasing Assistant position

SKILLS

PROGRAMMING
Java • Python with NumPy, Pandas • SQL • RegEx
Web Development with PHP, MySQL, JavaScript

TOOLS & UTILITIES
Unix • Windows • Git • Microsoft Office

PROJECTS

ENCRYPTOR DECRYPTOR WEB APPLICATION | PHP, MySQL, Javascript
Individual work for Server-side Web Programming class | Resulted in an A grade
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 | Resulted in an A grade
Using different types of data structure, 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 | Resulted in an A grade
Using 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

CHESS GAME | Java, Swing, JUnit, MVC pattern, UML diagrams
Team project for Object Oriented Design class | Resulted in an A grade
Collaborated with two other students to create a two-player Chess game with MVC design patterns, four UML diagrams

COURSEWORK

Data Structures and Algorithms, Object-Oriented Design, Computer Architecture, Server-side Web Programming, Theory of Computation, Statistics and Probability, Linear Algebra, Differential Equation