

Thanh Nguyen

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EDUCATION

SAN JOSE STATE UNIVERSITY | B.S. COMPUTER SCIENCE

Anticipated Spring 2020 | GPA: 3.89 / 4.00

SKILLS

Java • Python • Scala • SQL

Web Development with JavaScript, React, Python Flask

COURSEWORK

Programming Paradigms • Database Management Systems • Data Structures and Algorithms • Object-Oriented Design • Computer Architecture • Server-side Web Programming • 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 11 new employees in Purchasing Assistant position

PROJECTS

MOVIE RECOMMENDATION WEB APPLICATION | PYTHON FLASK, REACT.JS, SQLITE, BOOTSTRAP

Software Engineering class | Fall 2019

Build a full-stack web application for a movie recommendation system using machine learning. Based on TMDB 5000-movie dataset, user can browse, rate movies and receive recommended movies from a content-based recommendation algorithm.

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