

Thanh Nguyen

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EDUCATION

SAN JOSÉ STATE UNIVERSITY

B.S. COMPUTER SCIENCE
MINOR IN MATHEMATICS
May 2020 | San Jose, CA
GPA: 3.94 / 4.00

DE ANZA - FOOTHILL COLLEGE

May 2018 | Cupertino, CA
GPA: 3.73 / 4.00

LINKS

Github:// [thanhnghuyenhm](#)
LinkedIn:// [thanhnghuyenhm](#)

SKILLS

PROGRAMMING

Advanced:

Java • Python • SQL

Proficient:

C++ • PHP • MIPS Assembly

Familiar:

R • HTML/CSS • JavaScript

TOOLS & UTILITIES

Data Analysis using Python, R, Microsoft Excel, Tableau

Unix • Windows • Git • RegEX •

Microsoft Office

• Microsoft Dynamics NAV

COURSEWORK

UNDERGRADUATE

Data Structures and Algorithms

Object-Oriented Design

Theory of Computation

Computer Architecture

Statistics and Probability

Linear Algebra, Differential Equation

ONLINE COURSEWORK

Python for Data Science

R for Data Science

Data Visualization with Tableau

Database System

EXPERIENCE

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.

PROJECTS

SEARCH ENGINE SIMULATOR | JAVA, SWING, JSOUP

Individual work for Data Structure and Algorithms class

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. Resulted in an A grade and demonstration in class.

SOCIAL NETWORK SIMULATOR | JAVA, SWING

Individual work for Data Structure and Algorithms class

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. Resulted in an A grade.

CHESS GAME | JAVA, SWING, JUNIT, MVC PATTERN, UML DIAGRAMS

Team project for Object Oriented Design class

Collaborated with two other students to create a two-player Chess game with MVC design patterns, four UML diagrams. Resulted in an A grade.

PUSHDOWN AUTOMATA SIMULATOR | JFLAP

Individual work for Formal Languages and Automata Theory class

Simulating Deterministic Pushdown Automata by Universal Turing Machine using building blocks in JFLAP. Resulted in an A grade.

ACTIVITY

Summer 2018: Study abroad in Japan.

Study Japanese language, history and culture.

LANGUAGES

English, Vietnamese, Japanese