

Phu Tran

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Education

Bachelor of Science in Computer Science

San Jose State University
San Jose, CA || Dec 2020
Dean's Scholar
Major GPA: 3.81 / 4.00

Associate in Science for Transfer – Computer Science

De Anza College
Cupertino, CA || Jun 2018
Dean's List Honor
Cum. GPA: 3.70 / 4.00

Advanced Coursework:

- Data Structures and Algorithms
- Object-Oriented Programming
- Operating System
- Artificial Intelligence
- Information Security
- Serve Web Programming
- Software Engineering
- Programming Paradigms

Skills

Programming Languages:

Java • Python • C • C++
Assembly • Scheme • Ruby

Web Development:

HTML5/CSS3 • PHP • JavaScript
React.js • Node.js

Databases/Cloud/Testing:

MySQL • SQLite • MongoDB
Cassandra • AWS • Docker
MongoDB Atlas

Design tools:

Adobe apps (Photoshop • Illustrator
Flash • InDesign • Spark • XD)

Experiences

Software Engineer Extern

May 2020 – Present

TheOpClub at SJSU || San Jose, CA

- Work in team to capture all events, transactions, handoffs across Agriculture Supply Chain by using React.js, Node.js, and MongoDB
- Aims to create a software application that works optimally under unreliable network connectivity

Teaching Assistant in CIS Lab and Classroom

Jan 2017 – May 2018

De Anza College || Cupertino, CA

- Assisted teachers through preparation of test questions and homework problems
- Advised students on an individual basis to address problems and helped improve their programming skills

Projects

Yelp's User Management Simulator || Python, MongoDB Apr 2020 – May 2020

- Lead a team of 3 people to design and implement an application that used the public dataset from Yelp to manipulate the data
- The application used PyMongo library to connect to NoSQL database in cluster

Food Management App || Java, SQLite

Sep 2019 – Dec 2019

- Worked in a team of 2 to develop an android mobile application targeting food waste issue
- The application helped users manage and prevent their food from spoiling by sending notification
- The goal was to help users save money while reducing/preventing food waste issue

Store Front Website || React.js, Node.js, MySQL, AWS

Sep 2019 – Dec 2019

- Collaborated in a group of 3 to create an online system for customers to order food from a food court
- Applied 3 tier architecture technique to increase performance and scalability of the program

Decryptoid Website || PHP, JavaScript, MySQL

Mar 2019 – May 2019

- Built an web application that allows users to encrypt or decrypt their upload file
- Integrated different cryptosystems to provide a built-in list of crypto options

Search Engine Simulator || Java

Nov 2018 – Dec 2019

- Simulated Google Search Engine by using Jsoup library to obtain data from Google API
- Applied various data structures and sorting algorithms to manipulate data and compare the search speed

Battleship Game || Java

Oct 2018 – Dec 2018

- Cooperated with a team of 3 to reproduce multi-players game following normal logic
- Designed a GUI using JavaSwing while applied different design patterns and the MVC model