

Jhanvi Lotwala

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OBJECTIVE: Graduating Senior seeking an entry level role in the software development and IT industry.

EDUCATION

B.S. Applied Mathematics, Concentration: Applied & Computational Mathematics, Aug 2018-Dec 2020
Minor in Computer Science

San Jose State University, San Jose, CA

Lower Division Coursework in Computer Science Jun 2016-May 2018

Mission College, Santa Clara, CA

PROJECTS

Student Management System (Python) Jun 2020-July 2020

- Created a student management system which stores student information by input of names in the lists.
- Utilized dictionary to map all the students to their marks and find the maximum marks in a particular course.

Data Structures techniques (Java), SJSU Aug 2019-Dec 2019

- Utilized master's theorem to solve the recurrence relations in the analysis of divide and conquer algorithms.
- Gained knowledge in Pre-order, Post-order and In-order traversals in BST.
- Utilized Hashing (linear and quadratic probing, separate chaining) and Double Hashing (Rehashing if necessary) to map keys to the values.
- Solved the minimum spanning tree by applying Kruskal and prim's algorithm to find the shortest path between initial point and the ending point.

RELATED COURSEWORK:

Math

- Math Modeling
- Linear Algebra
- Applied Algebra
- Graph Theory
- Numerical Analysis
- Discrete Math

Comp Sci.

- Object-Oriented Programming
- Advanced Python
- Data Structures & Algorithms
- Database Management System
- C programming

SKILLS:

Coding

- Java(proficient)
- JavaScript(beginner)
- HTML & CSS (proficient)
- Python(beginner)

Excel

- Pivot tables
- Shortcuts and Formulas functions
- Sorting and filtering data

TOOLS: Google Colab, Jupyter Notebook, Eclipse IDE, Terminal (Mac), TextEdit, Github, Visual Studio

WORK EXPERIENCE

IT Relocation Technician, Murphy, McKay & Associates, Lafayette, CA Sep 2019-Present

- Executed disconnect functions of over 50 desktop workstations to prepare for the move, under the supervision of the Project Leader.
- Verified all the systems and components have arrived at the new location and executed reconnect functions including the configuration of workstations and cable management as requested by the client.

ACTIVITIES

Braven Fellow, The Braven Accelerator Jan 2020-May 2020

- Designed a scavenger hunt for 1st and 2nd graders to be physically active at home during the quarantine because of COVID-19 with 6 team members as a part of Capstone Challenge.
- Lead the team as a researcher to understand the user needs and collected information from the RAFT team, who works with the students and educators from K-12.