

SMRUTI SHAH

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WORK EXPERIENCE

Math Tutor — UT Sanger Learning Center, Austin

DECEMBER 2017 - PRESENT

- Assist students individually and in small groups to improve their math skills using tutoring resources
- Monitor student progress, identify areas needing improvement, help students with their homework and prepare them for tests

CompSci Tutor — Infotech Computers, Vadodara, India

MARCH 2010 - APRIL 2015

- Taught computer skills such as Word processing, Photoshop to 10 students who had not used a computer before
- Increased number of students enrolled by 30%

SELECTED PROJECTS

Graphical Simulation — Two Dimensional Simulator World

- Implemented and inherited classes of different types of critters in Java that move, eat, sleep, and fight in order to survive in a graphical simulation of a two-dimensional world
- Highlights the winning critter at each move

Guitar Hero — Virtual Piano

- Created a Java program that simulates plucking guitar strings eventually imitating a piano keyboard
- Supports 37 notes, ranging frequency from 110Hz to 880Hz
- Made ring buffer class to test several inputs in order to run the program

Personality Test — Personality Test Outcomes

- Determines individual's personality based on their responses
- Generated a Java program that processes individuals responses to the personality test
- Collected and analyzed 1 gigabytes of data

Home Field Advantage — Sports Statistics

- Used Java to figure out a game with the home team
- Calculated various statistics for the home team to ascertain if the home team had an advantage
- Collected and analyzed 2 gigabytes of data

EDUCATION

The University of Texas at Austin — B.S. Computer Science

AUGUST 2017 - MAY 2020

GPA: 3.67

Relevant Coursework: Data Structures, iOS Development, Discrete Math, Linear Algebra

Lone Star College-Montgomery — Computer Science

AUGUST 2016 - JUNE 2017

GPA: 4.0

SKILLS

Languages: Java, Python, C, C++

Web Development: HTML 5.0, CSS, JavaScript, PHP, JQuery

Packages: MS Office, Android Studio, Eclipse, Visual C++, XCode, Code Blocks

Operating Systems: UNIX, Windows XP/7/8, Windows 10, MacOS High Sierra

Campus Involvement

Women in Computer Science (WiCS):

Mentor a group of seven freshmen women in CS to help them get used to life at UT

Phi Theta Kappa International Honor

Society Lifetime Member: Assisted students on one-to-one basis in their Math, Physics and Chemistry Homework by explaining the concept behind the problem

AWARDS

T-STEM Scholarship: Was one of the many STEM major students in Lone Star College selected for the merit-based scholarship

Lone Star College President's List: Due to competitive merit for the year 2016 and 2017

Partial Tuition Grant: For transferring to UT with a high and competitive merit