

RUCHIRA SHEKAR

ruchi.shekar@utexas.edu | (515) 447-2604

EDUCATION

The University of Texas at Austin

Computer Science, BS;

May 2019

Past Courses

- Data Structures
- Discrete Math
- Comp Organization and Arch
- Operating Systems

Present Courses

- Algorithms
- Software Design

Future Courses

- Software Engineering
- iOS Mobile Computing
- Intro to Security
- Networks and Security

TECHNICAL SKILLS

Languages – Proficient: Java, Python, HTML/CSS, JavaScript **Exposure:** C, jQuery, GIT **Plan to Learn:** Swift, AngularJS, ReactJS

Operating Systems – Windows, Linux, iOS

WORK EXPERIENCE

Bank of America Merrill Lynch – *Global Technology Summer Analyst*; New York, New York Summer 2017

- Developed an interactive application that allowed traders to analyze data in various forms. Created a data visualization dashboard to solve limitations of the previous data analytics tool
- Implemented with Tableau, HTML/CSS, JavaScript, SQL; Gained experience in big data and front-end web development
- Application was deployed to traders and is currently being used in the Public Finance division at BAML

Shekar Engineering – *Data Entry Intern*; Des Moines, Iowa Summer 2016

- Entered financial data for the company using QuickBooks, and assisted in day-to-day accounting tasks
- Used HTML/CSS to enhance company website

NOTABLE PROJECTS

Virtual Memory (C)

- Simulated paging, page replacement, frame tables, swap tables, stack growth, and physical vs. virtual memory in Pintos mock operating system.

Personal Website – ruchi-shekar.github.io

- Created personal webpage using basic web development skills – JavaScript, HTML/CSS, Bootstrap

Huffman Coding (JAVA)

- Implemented a program that recreated the Huffman coding algorithm to compress data. The compressed code was then decompressed into byte values
- Utilized nodes, trees and priority queues as the main data structures for this program

LEADERSHIP EXPERIENCE AND ACTIVITIES

Qualcomm – *Qualcomm Women's Collegiate Conference*; San Diego, CA

January 2017

- Networked with influential women in technology, participated in various workshops and events to build technical skills, and was introduced to Qualcomm products
- Participated in Hack for Impact hackathon by mentoring and guiding girls from local schools

Women in Computer Science – *Active Member*

Fall 2015 – Present

- Attended various activities to motivate students in computer science and build a sense of community for both males and females
- Assisted in events to help fellow computer science students with classes, career building, and planning

Nell Dale Mentor Program – *Active Member*

Fall 2015 – Spring 2016

- Participated in a mentor-mentee program – sought advice and guidance from an experienced computer science student and mentored a fellow student