RUCHIRA SHEKAR

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EDUCATION

The University of Texas at Austin   **Computer Science, BS**   **May 2019**

Past Courses	Present Courses	Future Courses
• Data Structures (CS 314) • Discrete Math (CS 311) • Intro to Programming (CS 312) • Found. of Logical Thought (UGS)	• Comp Organization and Arch (CS 429) • Intro to Stats and Probability (SDS 321)	• Operating Systems (CS 439) • Linear Algebra (M 340L) • Algorithms (CS 331)

TECHNICAL SKILLS

Languages – Proficient: Java **Exposure:** HTML/CSS, Python, C **Plan to Learn:** Bootstrap, JavaScript/jQuery, Git
Operating Systems – Windows, Linux

NOTABLE PROJECTS

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

Evil Hangman (JAVA)
- Constructed a variation of hangman where the computer does not pick a word for as long as possible, keeping a list of words as the user guesses letters
- Lists, trees, and maps were the main data structures for this program

WORK EXPERIENCE

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

Prudent Technologies – *Data Entry Intern/Draftsman;* San Antonio, Texas   2015 – 2016
- Worked remotely to construct As-Built drawings for the company, as well as data entry tasks

LEADERSHIP EXPERIENCE AND ACTIVITIES

Texas Royals – *Active Member*   Spring 2016 – Present
- Worked to raise money for the Darrell K. Royal Alzheimer's Fund, coordinated service events around campus, and created an atmosphere of community for other women in the organization

Women in Computer Science – *Active Member*   Fall 2015 – Present
- Attended various activities to motivate people 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 and sought advice and guidance from an experienced computer science student

Unity Point Health – *Volunteer*; Des Moines, Iowa   2011 – 2015
- Served as a pianist for long term care patients, delivered flowers to visitors and patients, and volunteered in the hospital gift shop

ADDITIONAL INFORMATION

Languages: Conversational in Spanish and Kannada