

SILPA GOLLAPUDI
COMPUTER SCIENCE
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Education

The University of Texas at Austin , Austin, TX	<i>May 2015- May 2019</i>
Bachelor of Science in Computer Science (In Progress)	
Business Foundations Program Certificate (In Progress)	

Technical Skills

Languages:	Proficient in Java, Exposure to Python
Web Experience:	Exposure to HTML, CSS
App Development:	Exposure to Swift

Projects/Relevant Coursework

Evil Hangman

- created a program that simulated a variant version of hangman that allows the computer to “trick” the player using different data structures

Critters

- implemented a graphical simulation of a two dimensional world with moving Critters

Guitar Hero

- created a program that simulated plucking a guitar string using the Karplus-Strong algorithm.

Huffman Coding

- Created a huff-man processor using recursion to decompress and compress files

Anagram Solver

- used nested classes to find anagrams of name files

Year 1: CS311 (Discrete Math), CS312 (Introduction to Programming)

Year 2: CS314 (Data Structures), CS429 (Computer Architecture), SDS321 (Intro to Statistics), M340L (Linear Algebra and Matrix Calculations)

Work Experience/Volunteer Service

Girls Who Code , <i>Volunteer</i>	<i>September 2016 - current</i>
• Teach underaged girls from grades K-12 computer science skills after school	
Explore UT (Women in Computer Science) , <i>Volunteer</i>	<i>March 2015</i>
• Volunteer as an activity supervisor at a UT sponsored event for young elementary children to learn about Computer Science and engage in activities related to Computer Science	
Baylor Medical Center , <i>Summer Intern</i>	<i>May 2015- August 2015</i>
• Post-Partum Lab Technician	

Community Involvement

Bioinformatics Practicum , <i>Active Member</i>	<i>September 2016- current</i>
Nell Dale Mentor Program , <i>Second-Year Mentor</i>	<i>September 2015- current</i>
• Second-year Mentor for 2 first year Computer Science students	
• Mentorship Activities include: resume building, recruitment	
Women in Computer Science , <i>Active Member</i>	<i>September 2015- current</i>
• Work with a network community of women in Computer Science	
Mobile App Development , <i>Active Member</i>	<i>September 2015- current</i>
• Exposure to IOS App Development with Swift	
• Android/Web Development	