Stephen Robicheaux

www.stephenrobicheaux.com
stephenrobic@gmail.com
832.359.8053

EDUCATION

SAM HOUSTON STATE UNIVERSITY
B.S. Mathematics
May 2018 | Huntsville, TX
Minor in Computing Science
College of Science and Engineering Tech
Major GPA: 3.39 / 4.0
Minor GPA: 3.25 / 4.0

LINKS

Github: **github.com/stephenrobic**
LinkedIn: **linkedin.com/in/stephenrobicheaux**
Twitter: **twitter.com/sarob_13**

COURSEWORK

UNDERGRADUATE

- Prog Fundamentals I & II (in Java)
- Computer Org. & Machine Language
- Introduction to Python
- Computer Architecture
- Database Management Systems
- Data Structures and Algorithms
- Linear Algebra and Matrices
- Algebraic Structures
- Theory/App of Prob. & Statistics I & II
- Introduction to Physics I & II
- Calculus I, II, & III

SKILLS

PROGRAMMING

Over 3000 lines:
Python • Java • Ada • LaTeX

Over 1000 lines:
Assembly

Familiar:
CSS • HTML • Javascript

Other:
Git • Windows • MySQL
Visual Studio • Visual Studio Code
Unity • Sage Math • NetBeans
GNAT Programming Studio
nasm • DosBox

PROJECTS

THREADED BINARY SEARCH TREE | Ada
Spring 2018 | https://github.com/stephenrobic/BinarySearchTreeAda

- This implementation uses Ada generics to allow flexible use of different data types for future use.
- The following functions are implemented both recursively and iteratively: insertion, deletion, search, inorder traversal, preorder traversal, and post order traversal.

SIMPLE COMPUTER EMULATOR | Python
Spring 2018 | https://github.com/stephenrobic/SimpleCompEmulator

- Created a simple computer emulator, which reads 16-bit words sequentially from a binary file, converting certain bits of each word into assembly language instructions opcodes, memory addresses, and flag register bits.
- This was tested by creating a binary file consisting of instructions for a division calculator.

CAR SALES SYSTEM | Java & MySQL
Fall 2017 |

- This is a group project, in which we designed a car database application with Java for front-end, MySQL for back-end, and NetBeans as an IDE.
- This project stores information on made-up cars sold at dealerships, so that there is a collection of data that consumers and researches can use to see prices, buyer demographics, etc. of recently sold cars. This is mainly intended for statistical purposes.

TARGET PRACTICE | Python
Fall 2017 | https://github.com/stephenrobic/PythonTargetPractice

- Created a 2-dimensional game in Python utilizing Turtle Graphics, Tkinter for menu GUI, and the Random module.
- The game is set in the Cartesian plane, as the user aims for randomly appearing targets by inputting an estimated distance and angle.

RESEARCH

GRAPH THEORY | Undergraduate Research
Fall 2017 | Huntsville, TX
Worked towards finding a disproof of the Graph Reconstruction Conjecture, to further test its validity. The Graph Reconstruction Conjecture says that a given original graph can be reconstructed from its list of single-vertex deleted subgraphs, using various techniques.

HONORS & DISTINCTIONS

2013	Lifetime	National Society of Collegiate Scholars
2017	Spring	President's Honor Roll (4.0 Semester GPA)
2017	Fall	President's Honor Roll (4.0 Semester GPA)
2018	Spring	Dean's List

REFERENCES AVAILABLE UPON REQUEST