

Stephen Robicheaux

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EDUCATION

SAM HOUSTON STATE UNIVERSITY

B.S. MATHEMATICS

MINOR IN COMPUTER SCIENCE

College of Science and Engineering Tech

Grad: May 2018 | Huntsville, TX

Major GPA: 3.39 / 4.0

Minor GPA: 3.25 / 4.0

LINKS

Github: github.com/stephenrobic

LinkedIn: [linkedin.com/in/stephenrobicheaux](https://www.linkedin.com/in/stephenrobicheaux)

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 • Erlang

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 • AWS

Jenkins • DynamoDB

WORK

ASSOCIATE SOFTWARE ENGINEER

Alert Logic | November 2018- October 2019

- Develop highly available, fault tolerant and cloud based (AWS) micro-services using OTP Erlang.
- Full service ownership consisting of development, monitoring, testing and production/integration releases with Jenkins, following the Agile development process.
- Extensive use of Amazon Web Services including DynamoDB, S3, CloudFormation, ASG, and EC2 and ECS instances.

PROJECTS

SIMPLE COMPUTER EMULATOR | PYTHON

Spring 2018 | <https://github.com/stephenrobic/SimpleCompEmulator>

- Simple computer emulator, which reads 16-bit words sequentially from a binary file, converting certain bits of each word into assembly language instruction 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.

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 states that a given original graph can be reconstructed from its list of single-vertex deleted sub-graphs, using various techniques.

HONORS & DISTINCTIONS

2013	Lifetime	National Society of Collegiate Scholars
2017	Spring	President's Honor Roll (4.0 GPA)
2017	Fall	President's Honor Roll (4.0 GPA)
2018	Spring	Dean's List (3.5+ GPA)

REFERENCES AVAILABLE UPON REQUEST