AARON EVANS

The University of Texas at Austin   3.91 GPA
Incoming Intern at Audible (an Amazon Company)
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EXPERIENCE

Software Engineering   September 2016 - Present
UT Department of Utilities and Energy Management
-Implemented server code, MongoDB database to track 500 elevators across UT Austin campus.
-Programmed server-side web api in Node.js, allowing LAN devices to post to server.
-Designed, programmed front-end app using React, webpack.

Bioinformatics Research   February 2016 - September 2016
UT Center for Computational Biology and Bioinformatics
-Applied machine learning to identify promoter sequences of neuron genes in mouse brains.
-Advanced research by conducting data wrangling, finding links between unrelated datasets.

SIDE PROJECTS

Robotticelli   September 2015 - Present
-Served as committee head, oversaw development of all sectors of the robotics project.
-Developed algorithms for color quantization utilizing machine learning.
-Created code to approximate the robot's rotation along wall, integrated with sensor.
 data using Kalman filter.

Simple Rendering Engine   May 2015 - June 2015
-Created primitive rendering engine, included camera manipulation and basic z-indexing.
-Created abstract class that allowed for easier implementation of renderable 3D objects.
-Implemented quaternions for object rotation.

Classify   October 2016 - Present
-Designed web application to improve UT's course search feature using Elasticsearch.
-Complemented search feature with a schedule builder.
-Started project at HackTX, continuing work currently.

LANGUAGES AND TECHNOLOGIES

Linux & Bash/Zsh, comfortable using Debian-based and Arch Linux-based distributions.
Node.js (comfortable). Flask (prior experience), Meteor (prior experience).
React (comfortable), AngularJS 1.x (prior experience).

Proficient in Python and Java.
Comfortable in Javascript (ES5 and ES6), HTML, CSS, Lua, Bash Language.
Prior Experience with C, C++, R, Julia, Rust.

ORGANIZATIONS AND EVENTS

UT Robotics and Automation Society - Representative Officer and Committee Head
Hackathon Participant - HackTX 2016, HackDFW 2016, SDHacks 2016
French Conversation Club - Officer