

Ryley Matos

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EDUCATION

42 US, Fremont, CA — Computer Science

SEPTEMBER 2016 - PRESENT

Project based curriculum focused around the C programming language

Frisco High School, Frisco TX

AUGUST 2011 - JUNE 2015

Weighted GPA 3.91

EXPERIENCE

Samsung Research America — Software Development Intern

AUGUST 2017 - OCTOBER 2017

PROJECTS

VMWorld IOT WebVR Demo (HTML, JS, Python) — <http://artik.riley.io>

This demo features a model of a bridge with various spinning coins surrounding it corresponding to sensors on a physical lego bridge. Looking at these coins displays the sensor's information. It was displayed at VMWorld 2017 in Las Vegas.

Ram Hack (Python) — <https://github.com/rmatos42/AEC-Hackathon>

The purpose of this project was to detect the amount of time spent idle by employees in desktop applications such as AutoCAD by measuring and analyzing the amount of RAM being used by the application.

K.I.F.T (C, Python) — <https://github.com/rmatos42/K.I.F.T>

K.I.F.T is a speech recognition program. K.I.F.T. uses Carnegie Mellon University's speech recognition toolkit, CMUSPHINX. Audio recordings are sent to a server from a client program where the speech is then converted to text.

Wolf3D (C) — <https://github.com/rmatos42/Wolf3d>

Wolf3d is a project that uses raycasting to create a 3D video game engine similar to that of Wolfenstein. This project uses the MiniLibX graphical library.

SKILLS

Programming Languages: C, C++, Java, Python, HTML, CSS, Swift, JavaScript

Technologies: Windows, Arch, Debian, Mac OS X, OpenGL, CMUSphinx, A-Frame, Flask, React, MongoDB

RECOGNITION

AEC Hackathon - Best Overall Project

REFERENCES

Damon Hernandez - Project Manager @ Samsung
469-328-9416
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Wei Xiao - Engineering Manager @ Samsung
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