

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 — Full-Stack WebVR Development Intern

During my time at Samsung, I was in charge of creating a demo for the Samsung ARTIK team. This WebVR demo was used to display the changing of information on IoT sensors on a bridge in real time. I was in charge of creating the full stack for this demo. The front-end of the demo was created using A-Frame, a WebVR framework, as well as HTML and Javascript. The back-end was created using MongoDB and Flask. This demo was shown at the VMWorld 2017 convention in Las Vegas.

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.

React Portfolio (HTML, JS) - <http://riley.io/>

To learn the React framework I created a portfolio from scratch. This responsive one page app displays my past and present projects with an eye pleasing user interface.

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. This project was awarded the 'Best Overall Project' title at the AEC 2017 Hackathon in Portland.

SKILLS

Programming Languages:

C, C++, Java, Python,
HTML, CSS, Swift,
JavaScript

Technologies: Windows,

Arch, Debian, Mac OS X,
OpenGL, CMUSphinx,
A-Frame, Flask, React,
Redux, MongoDB

RECOGNITION

AEC Hackathon - Best
Overall Project

REFERENCES

Damon Hernandez -

Project Manager @

Samsung

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Wei Xiao - Engineering

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Benjamin Slakey - Junior

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