

Objective

Seeking employment developing, consulting or selling software products

Employment

Backend Developer **Austin Sigma LLC** **December 2015 - April 2016**

CRM-CT: Mobile application for iPhone/iPad that monitors social and business contacts

- Built and deployed 12 linux servers running MongoDB cluster
- Built and maintained database for existing iOS app
- Added end-to-end encryption to app (AES 256 bit)

Consultant **Sungard** **June 2015 - December 2015**

SCADAHawk: Web-app built for Atmos Energy to monitor gas pipelines

- Optimized backend and built stored procedures (decreased load time from 45 seconds to 11)
- Business analytics role creating SQL queries for the client
- Email and text notification for field workers based on custom alerts

CTO **Lucid Labs LLC** **March 2015**

LUCIDLAB5: Virtual Reality Visualizer that runs of music from users library

- Used Unity3D and Maya3D to create an app for the Oculus Rift
- Built scripts to analyze the frequencies of audio input to trigger color and pattern changes

Intern **Appetizer Mobile** **Summer 2013**

- Aided in front-end development for classified works in progress
- Analytical research associated to current and potential projects
- Wrote project proposals and sales plans for potential investors

Technical Skills

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|------------------------|----------------------|
| • ORACLE/mySQL/MongoDB | • HTML/CSS/Bootstrap |
| • NodeJS/PHP | • Javascript/JQuery |
| • iOS (Objective-C) | • Unity3D/C# |

Notable Projects

iOS Core Project: App designed to test the various core features of the iPhone 5

- CoreMotion class to track number of steps for user as well as speed walking, running, and driving
- Audio filter to detect the distance of a users hand to the phone uses sin waves
- CoreImage class to detect users heart rate by placing their finger over the camera lens

KeyChat: Encrypted messaging app for iOS and web users

- App stores users login information in a local database one the iPhone using core data
- Private sessions are created upon accepting an invitation and all data is deleted when finished

Education **Southern Methodist University 2011 -2015**

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| • BA in Computer Science Engineering | 3.31 |
| • Minor in Mathematics and Creative Computation | |