**EDUCATION**

**M.S. in Computer Science,** Florida International University, **3.87** **August 2017**

**B.S. in Computer Science,** Florida International University, **3.65** **(Cum Laude)** **December 2015**

**SKILLS**

**Web Development: Javascript, Vue,** React, Angular, JQuery, PHP, Bootstrap, Pixi.js, Three.js, WebGL

**Mobile / Software: Swift iOS, Electron,** Java, C/C++, C#, Python, Visual Basic, Android, Ionic, React Native

**Server / Databases:**  **Node.js**, **MongoDB, Parse Framework,** Express,MySQL, PostgreSQL, Apache

**Miscellaneous: Photoshop,** Unity, Blender, AWS, Firebase, Bilingual in Spanish and English

**EMPLOYMENT**

**Mobile and Web Developer** for M-DCPS **May 2019 – Present**

**Full Stack Web Developer** for M-DCPS **June 2018 – May 2019**

* Developed **an Electron-Vue app** that provides teachers with live student data to help guide performance. Amongst its many features are classroom analytics, school-wide test analyses, usage reports, and differentiated instruction plans.

**Independent Contractor** for VARCAT INC (Personal Business) **June 2017 – December 2018**

* Developed **a web app using Angular** that manages cruise line projects on the cloud and creates complex weekly calendars that can show up to thousands of events at once.
* Developed **a** **web app using Angular** that draws Miami properties as polygons on Google Maps with additional information including area, sale date, current owner(s), and more.
* Developed **a web app using Vue** that houses a Unity game and provides session information stored in a database.

**Student Research Assistant** forVISAGE Lab at FIU **August 2012 – June 2017**

* Developed **a** **virtual character using WebGL** that speaks, changes facial expressions, and performs lifelike movements such as breathing, blinking, and eye dilation.
* Developed **a** **web app using Angular** that houses the virtual character in the context of counseling to provide personalized interventions that treat alcohol abuse based on the user’s dependence severity.

**PROJECTS**

* Developed **an iOS app using Swift, Ionic, Parse, and AWS** that allows for a hands-free social media experience.
* Developed **an iOS app using Swift and Firebase** that allows users to communicate using short voice notes.
* Developed **a website using PHP, C, Apache, and Postgres** that provides a queueing system for users to fairly use a DNA sequence analyzer running on a multi-clustered network of machines.
* Developed **a website using plain Javascript** that provides a YouTube experience that is entirely controllable with eye gaze for users that are physically paralyzed.

**PUBLICATIONS**

Reza Amini, C. Lisetti, G. Ruiz, “**HapFACS 3.0: OpenSource FACS-Based Facial Expression Generator for 3D Speaking Virtual Characters**”, IEEE Transactions on Affective Computing, 2014.

A. Delamarre, C. Buche, M. Polceanu, S. Lunn, G. Ruiz, S. Bolivar, E. Shernoff, C. Lisetti, “**An Interactive Virtual Training (IVT) Simulation for Early Career Teachers to Practice in 3D Classrooms with Student Avatars**”, FLAIRS, 2017.