

## EDUCATION

<b>Atlanta, GA</b>	<b>Georgia Institute of Technology</b>	<b>August 2011 – May 2015</b>
<ul style="list-style-type: none"><li>• B.S. in Computer Engineering, GPA: 3.56.</li><li>• Graduated with Highest Honors, receiving Dean's List award every semester.</li><li>• Coursework: Algorithms; Artificial Intelligence; Data Structures; Comp. Architecture; Networking; Security; OO Design.</li></ul>		

## EMPLOYMENT

<b>Software Engineer</b>	<b>IBM</b>	<b>August 2015 – Present</b>
<ul style="list-style-type: none"><li>• Part of IBM Cloud's Mobile First Platform working on data science for Presence Insights.</li><li>• Working on integrating noise reduction and data smoothing algorithms with Spark to cleanse Wi-Fi based location data in order to increase positioning accuracy in our existing indoor sensing platform.</li><li>• Contributed to MFP8, a node.js CLI based application that allows users to interact with a RESTful backend to create and manage hybrid mobile applications and support enterprise server operations.</li></ul>		

<b>Software Engineer, Intern</b>	<b>Intel Corporation</b>	<b>May 2014 – August 2014</b>
<ul style="list-style-type: none"><li>• Part of the graphics debugging team within the Visual Parallel Computing group working on software validation.</li><li>• Developed ADFT, a tool that consolidates routines for debugging Android devices into features that can be toggled, modified and stored in a central database.</li><li>• Built a command-line utility to search for duplicate bugs within the company's high speed database, reducing search time and unnecessary work on similar bugs.</li></ul>		

<b>Software Engineer, Intern</b>	<b>Georgia Tech Research Institute</b>	<b>January 2013 – May 2013</b>
<ul style="list-style-type: none"><li>• Part of Georgia Tech's ALQ-213 development team working on software/hardware for military aircrafts.</li><li>• Built a command-line tool for creating random military scenarios on a radar based on the user's input, reducing the time to create such scenario test cases by hours.</li><li>• Developed graph generating tool which takes flight test data and creates a clean visualization demonstrating which of the aircraft's zones are faulty.</li></ul>		

## PROJECTS

**github: reinaldo422**

<b>Internet of Things – SHM</b>	<b>August 2014 – May 2015</b>
<ul style="list-style-type: none"><li>• Senior design capstone project; structural health monitoring system using an internet-of-things approach.</li><li>• Mesh network made up of Raspberry Pi gateway host and Arduino nodes communicates with server via Kafka.</li><li>• Data is distributed across Apache Storm system in order to run sci-kit learning algorithms in real-time.</li><li>• Structure's health stored in a MongoDB database and accessed by Django web application.</li></ul>	

<b>Hello Glass</b>	<b>August 2014 – December 2014</b>
<ul style="list-style-type: none"><li>• Control a Sparkfun Magician Robot with Google Glass.</li><li>• Glass Android application displays robot's location info and uses accelerometer data to send commands over Bluetooth.</li><li>• Embedded C++ program gives robot access to all connected components (motor, camera, compass, bluetooth)</li></ul>	

<b>Risk Web Application</b>	<b>May 2013 – August 2013</b>
<ul style="list-style-type: none"><li>• Web implementation of the board game Risk but in a galactic setting.</li><li>• Server-side includes Java as the driver language for the application and JSP's for routing.</li><li>• Client-side includes a dynamic interface built using HTML5, CSS and jQuery.</li></ul>	

## SKILLS AND INTERESTS

- **Languages and Technologies**– Javascript, node.js, Java, Python, Scala, C, HTML, CSS, SQL, Spark, Kafka
- **Operating Systems** – Linux Ubuntu/Backtrack5/Kali, Windows XP/Vista/7/8, Mac OSX
- **Communications** – Fully bilingual in Spanish and English. Presentations to peers, clients and students
- **Hobbies** – Travelling, snowboarding, sports, reading, programming

## ADDITIONAL EXPERIENCE AND ACHIEVEMENTS

- **Georgia Tech Provost Merit Scholarship** – 1 of 40 recipients
- **HEENAC Merit Scholarship** – 1 of 85 recipients
- **Tau Kappa Epsilon Fraternity, Officer** – Increased on-campus involvement and achieved top 5 organization GPA