Richard A. Macias

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www.Richie-ee.com

Software/Electrical Engineer

- Professional Profile -

Experience working as an Electrical Engineer and currently in school for a Masters in Computer Science. I've worked on various projects and tools in application development. The reason I enjoy Computer Science and Engineering is because it gives me the ability to make ideas come to life. I also really enjoy attending code and coffee groups.

- Education -

Master of Science in Computer Science, 2019 - Georgia Institute of Technology, Atlanta, GA **GPA: 3.75**
Bachelor of Science in Electrical Engineering, 2014 - University of Central Florida, Orlando, FL **GPA: 3.8**
Spring 2018 Schedule: Graduate Operating Systems, Machine Learning,Machine Learning With Trading
Classes Taken: Software Architecture,Database Systems,Software Design Process, Info Security.

- Technical Skills -

Languages:	Java, C, HTML, CSS, Javascript, SQL, Python
Frameworks:	Junit, Android, Picasso, Bootstrap,
Applications:	Android Studio, Atom, Linux, Windows, GIT, IntelliJ IDEA
	Self Taught in Object oriented Design, Data structures, and Algorithms.

- Software Portfolio/Classwork Highlights -

Full list of projects available on www.Richie-ee.com GitHub https://github.com/Rmacias91

Tool Rental Website (Fall 2017) Group Project
   Website built from a 10+ page specification page on a Tool rental System for Database Systems Class.
   Website was developed in stages. Report -> EER Mapping Diagram -> Website Implementation.
   SQL for Schema, constraints per specs, and queries. HTML, JS, Jquery, and PHP for the website. Python and Bash to auto-populate database with dummy data for testing purposes.

Cryptogram Android Game (Summer 2017)
   Android application created in a team of 4 in the Software Development Process class.
   Tools used: Android Framework, TDD, Black Box Testing, UML class diagram, Documentation, Google Hangouts (Team Meetings), Agile Development.

- Work Experience -

Amped I LLC   **Chicago, IL**
Electrical Engineer   *April 2015- April 2017*
   Worked under several teams of 2-5 engineers and for over 5 different clients.
   Upgraded 12kv Feeders, fiber communication, and digital fault recorders.
   Helped start the drawing request intranet site using PHP, SQL, HTML, and CSS.

St. John's Optical Systems   **Sanford, FL**
Electrical Engineer Intern   *Dec 2013- April 2015*
   Worked under senior Electrical Engineers and Physicists developing prototypes dealing with laser imaging and Infrared products.
   Designed Printed Circuit boards, soldered, tested hardware and lasers.

University of Central Florida   **Orlando,FL**
Research Assistant   *May 2013-Dec 2013*
   Aided graduate students in the research of Surface Acoustic Waves.