

## PERSONAL DETAILS

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Name: Richard Al Macias  
Residential Address: 1706 W. Sunnyside Ave, Chicago, IL 60640  
Mobile: (773) 910 2586  
Nationality: USA  
Website: Richie-ee.com \*Contains software projects and Senior Design.

## ELECTRICAL ENGINEER

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- ⊙ **Reliable Engineer in practice** working with tight deadlines and sending out deliverables in a cost effective and timely manner.
- ⊙ **Resourceful and inquisitive student/Employee** who continues to work with new clients and quickly learn new standards. Able to read external libraries quickly and fully understand the classes and methods used.

## SKILLS

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### Technical Tools:

- ⊙ JAVA, Android Studio, PHP, MYSQL, Python, Eclipse, C, C++, HTML, CSS, Verilog, Assembly, Xilinx IDE, Quartus II, Code Composer, and GIT.
- ⊙ MSP430, DE2 Evaluation board, Basys2, and soldering stations.

### Personal Skills:

- ⊙ Presented research and participated in weekly client calls.
- ⊙ Led by several different teams and currently leading a team of two engineers in current occupation.

## WORK EXPERIENCE

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April 2015 – Current      **Amped I LLC**, Chicago IL, USA  
Electrical Engineer

- ⊙ Designing and updating schematics for new equipment and standards in power substations in United States.
- ⊙ Walking through substations and documenting information relative to the scope of work.
- ⊙ Created an intra website that uploads and archives drawing request files for an external employee.

Dec 2013 – April 2015      **St. John's Optical Systems**, Sanford FL, USA  
Internship/ Electrical Engineer under Richard Vollmerhausen  
founding member and Chief Engineer.

- ⊙ Created Printed Circuit Boards for Digital and Analog designs.
- ⊙ Created Graphical User Interfaces to help aid in our design.
- ⊙ The first to test/program embedded evaluation boards.
- ⊙ Soldered, tested hardware, and used various lab equipment.

May 2013- Dec 2013      **University of Central FL**, Orlando FL, USA  
Research Assistant with Donald Malocha in RF SAW devices.

- ⊙ Created Graphical User Interfaces in MATLAB and used various tools in the clean room.

## EDUCATION HISTORY

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| Aug 2012 – Dec 2014 | <b>University of Central Florida</b> , Orlando, FL<br>Bachelors in Electrical Engineering<br><b>GPA</b> 3.8<br><b>Awards:</b> Magna Cum Laude, Dean's List |
| Aug 2010 – May 2012 | <b>State College of Florida</b> , Venice, FL<br>Associates   |

## INTERESTS AND ACTIVITIES

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- ⦿ Taking courses on Coursera and Udacity, updating my blog and website, brainstorming ideas for a startup business, sharing and reading code with friends through Github, watching UFC, reading books on leadership, and working out. Looking forward to starting a Masters in Computer Science. I post my projects on my website [Richie-ee.com](http://Richie-ee.com)