

manueljramaro@gmail.com (312) 852-9622



EDUCATION

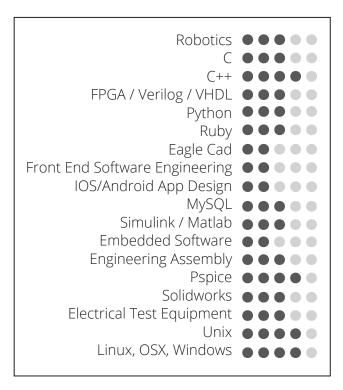
Northern Illinois University

B.S. in Electrical/Computer Engineering *May 2017*

ORGANIZATIONS & CLUBS

- The Society of Hispanic Professional Engineers
- Institute of Electrical and Elecctronics Engineers
- NIU Robotics Club
- NIU SAE Formula Team

COMPUTER SKILLS



EXPERIENCE

Intern, Rehabilitation Institute of Chicago Chicago, IL August 2013, August 2014

- Use Data Acquisition and analysis tools
- Perform thorough device testing for operation and failure modes and generate test reports to improve overall product design
- Assist with development, data collection, analysis and implementation relative to research and quality improvement activities
- Programming (testing) using C++, C, Python, Matlab

Research Assistant, Northern Illinois University DeKalb, IL January 2016 - present

- Work on building remote reconfigurable logic laboratory for digital design students
- Build and maint web site that is used to enable remote access to FPGA (Field Programmable Gate Array) development and educational board
- Build and maintain server (linux based) used for communication between the website and FPGA
- Create FPGA designs using Xilinx FPGA tools to test the limitations of existing hardware
- Create designs using Verilog.
- Help design labs for future sections of ELE430
- Robotic Vision using FPGA Technology
- program a robot to recognize at least ten objects or faces by various attributes
- program a robot to move toward object and call object by name or other phrases