

# David Vallejo

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Linkedin

## Education

### Florida International University, Miami FI

- Bachelors in Electrical Engineering - **Current GPA: 3.29**
- Concentration in Communications (RF), Embedded Systems, and Security

**Graduating Fall 2016**

## Skills

- Programming: C, C++, Embedded System Programming, HTML, JavaScript, JQuery, Python
- Engineering Software: AutoCAD, EagleCAD, Xcode, Code::Blocks, Mathematica, Matlab Simulink, NI Multisim Arduino, Power Systems, Sharepoint,
- Language: English (primary), Spanish (secondary)
- Kali Linux, Metasploit, Wireshark, NMap, Oscilloscopes, Voltage Supplies, Soldering, Communication Systems

## Work Experience

### Department of Electrical and Computer Engineering - Florida international University

**Miami, Florida**

#### Learning Assistant (LA)

**August 2014 - Present**

- Mentor teams of entry level engineering student through projects designed to expose them to engineering practices, teamwork skills, and simulate real world problem solving
- Collaborate with faculty members to discuss student progression, pitfalls, and successes for the betterment of the program
- Develop, build, and test future autonomous robot projects using microcontrollers, various sensors, and robot chassis
- Complete training in STEM education and techniques

### Target Engineering Group, Inc.

**Coral Gables, Florida**

#### Engineering Intern

**May 2015 - August 2015**

- Designed elements of internal project website using JQuery, Javascript, HTML and SPSeices for I75-Express Project
- Developed internal Javascript tool for inspector certification reporting and tracking
- Implemented system for granting user access to sensitive company data using SharePoint 2010
- Managed, setup, and deploy IT assets for use in field

## Leadership and Extracurricular Activities

### Institute of Electrical and Electronics Engineers (IEEE) Student Branch - Florida International University

#### President

**May 2015 - Present**

- Found communication channel unifying 10+ Engineering student organization in projects, social events and competitions
- Manage student branch affairs and 90+ members of student branch of IEEE
- Fund raise over \$9000 for local chapter activities and projects

#### Executive Board Treasure/CSO Representative

**January 2015 - May 2015**

- Managed local chapter funds and secure \$500 in additional funding from CSO

### Research Internships and Scholarships in Engineering (RISE) - Florida International University

#### Co-founder/ Executive board Council for Student Organizations (CSO) Representative

**January 2015 - Present**

- Establish RISE with CSO and act as liaison between governing association and RISE

### FIU Engineers-On-Wheels (EOW) Community Outreach Program

**January - Present**

- Acted as agent for change by organizing EOW events hosted by IEEE, RISE and HKN.
- Visit over 2000+ K-12 students, teachers, and parents sharing my experiences studying engineering, demonstrating science and engineering projects, and increasing student engagement with STEM fields

### VIVA Technology College Captain

**February 2015**

- Guided a group of eleven sixth grade students through three engineering challenges while competing with nine other teams of their own peers and other College Captains

## Awards and Honors

- GMIS HENAAC 2015 Travel Grant Recipient
- IEEE IMS 2015 Project Connect Travel Grant Program Recipient
- IEEE Eta Kappa Nu Honor Society Member

**October 2015**

**May 2015**

**May 2015 - Present**