

# Ramon J. Dioneda

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## EDUCATION

**Bachelor of Science, Computer Engineering** (Expected December 2017) September 2013 - Present

- University of California, San Diego
  - GPA: 3.0
- Provost Honors (Fall 2013)
- *Relevant Coursework*: Introduction to Artificial Intelligence, Design and Analysis of Algorithms, Advanced Data Structures, Discrete Mathematics, Database System Principles

## EXPERIENCE

**Software Developer Intern** May 2017 – Present

*TheTalkList*

- Developing pages and tests for Android application to ensure streamlined user experience and proper data transfer with database
- Updating website with user interface changes
- Reviewing Android development process to ensure application updates are aligning with desired requirements

**Webmaster/Website Designer**

May 2016 – May 2017

*American Society of Mechanical Engineers*

- Rewrote and managed club website in HTML/CSS for UCSD's ASME chapter by incorporating animations, profile pictures, project team pictures, and relevant websites

## PROJECTS

**Servo Spectrum Analyzer** May 2017 – June 2017

- Built a device that takes in an audio signal and produces a physical, visible representation of the frequency magnitudes
- Wrote Arduino C code to analyze analog audio signals using Fast Hartley Transformation algorithm and produce servo movement
- Designed housing for Arduino, servos, gears, and gear racks to sit in

**Social Media Food Application**

March 2016 – June 2016

- Developed a social media food application that would keep track of posts in a database and allow other users to see the posts and make comments/recipe contributions
- Wrote camera and filter functionality using JavaScript, React Native, GitHub, Android OS in an Agile development environment with nine others
- Ensured testing requirements were being met by reviewing documentation and developing tests for key milestones

## EXTRACURRICULAR ACTIVITIES

**Alpha Phi Omega** January 2016 – June 2017

- Led pledge class of forty-four people to create an hour-long showcase for presentation
- Assisted refugee children in acclimating to the education system

## SKILLS

- Highly Skilled in: C/C++, Java, Photoshop, Microsoft Office
- Proficient in: HTML/CSS, Verilog, Matlab, Python, git, GitHub, bash