

Daniel Florencio

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Education

- **University of California, San Diego** **La Jolla, CA**
Bachelor of Science in Computer Science, Jacobs School of Engineering *Expected Graduation: December 2017*

Skills

- **Programming Languages:** C, C++, Java, Python, C#, SQL, JavaScript, HTML, CSS
- **Tools & Frameworks:** Git, Unix/Linux, iOS, React, jQuery

Experience

- **Birch Aquarium - Scripps Institution of Oceanography** **La Jolla, CA**
Software Developer *January 2017 - Present*
 - Developed interactive exhibits using RFID technology as part of a student led engineering team.
 - Designed information kiosk to display information about marine life using HTML, CSS, and JavaScript
- **Engineers for Exploration - UC San Diego** **La Jolla, CA**
Undergraduate Researcher *January 2017 - March 2017*
 - Implemented SLAM algorithms on embedded systems to create 3D reconstructions of Mayan archeology for VR exhibit.
- **Global TIES K-12 Teaching Program - UC San Diego** **La Jolla, CA**
Computer Science Tutor and Webmaster *September 2016 - December 2016*
 - Developed and presented lesson plans for an all-girls after school program to introduce basic data structures and parallelism.
- **Wild Willow Farm - UC San Diego** **San Diego, CA**
Lead Front End Developer *April 2016 - June 2016*
 - Developed mobile sign-in application as part of a student led team for Wild Willow Farm through the agile SDLC.
 - Led student team in developing mobile webpages using CSS frameworks and HTML.
 - Developed simple SQL code to accelerate entry of old data.

Software Projects

- **Whiteboard Prep**
Python, JavaScript, jQuery, HTML, CSS, JSON, REST
 - Google chrome extension that displays various programming challenges to help users prepare for software engineering interviews using the Codewars RESTful API.
 - Implemented Python webscraper to gather JSON data for thousands of programming questions.
- **Quora Login Blocker**
JavaScript, HTML, CSS, JSON
 - Google Chrome extension that allows users to freely browse Quora by removing login prompts.
- **QuickNews**
JavaScript, jQuery, HTML, CSS, JSON
 - Google Chrome extension that displays trending headlines from The Washington Post.
- **Base Convert**
iOS, Swift, MVC
 - iOS mobile application that converts between decimal, binary, octal and hex.
 - Implemented model-view-controller design pattern to separate parts of the application.