

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
- **Tools & Frameworks:** HTML, CSS, 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.
 - Designed a dynamic web app for an information kiosk using HTML, CSS, and JavaScript.
- **Engineers for Exploration - UC San Diego** **La Jolla, CA**
Undergraduate Researcher *January 2017 - March 2017*
 - Implemented SLAM (Simultaneous Localization And Mapping) 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*
 - Created and taught a computer science program for an all-girls fourth grade after-school program.
- **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.
- **Connect Four**
Visual Basic, Visual Studio
 - Interactive GUI complete with audio allows two users to play Connect Four
- **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.