

# Daniel Florencio

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github.com/danflorencio

## Education

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

## Skills

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

## Experience

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- **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

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- **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.