Johan Guzman

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EDUCATION

Bachelor's Degree in **Computer Science** | Current GPA: **3.81**   **Expected June 2021**
University of California, Riverside (UCR), Riverside, CA

SKILLS

- **Programming Language**s: C++, Python, C#, HTML, CSS, and Java
- **Platforms:** Github and Windows
- **Related Course Work**: Algorithms and Data Structures
- **Languages**: English and Spanish

WORK & VOLUNTEER EXPERIENCE

Web Developer Internship, Olive Crest   **September 2019 - Present**
- Works on assigned web application projects that include front-end (**HTML, JavaScript**) and back-end API work (**C#, LINQ**) using ASP.net web framework, Model-Controller-View design pattern, and relational databases using Microsoft SQL Server Management Studio

Elementary School Tutor, Magnolia Elementary School, Riverside, CA   **January 2019 - April 2019**
- Tutored 30 elementary schoolers on math and reading by maintaining a safe and interactive learning environment
- Improved the reading comprehension of 15 students with low reading levels by effectively inculcating reading habits
- Assisted the STEM after school team by teaching 20 students basic programming skills using **Python**

Community Service Volunteer, Habitat for Humanity, Riverside, CA   **January 2015 - June 2017**
- Improved the housing conditions of low-income communities in Riverside by operating landscaping work and painting of walls of houses in poor conditions with the help of other twenty volunteers

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PROJECTS

TIMI - Time Management Informer Website, Github Repository   **August 2019**
- Developed a website called TIMI that generates week summaries of users' time spent per event based on their Google Calendar schedules. Used **Django web-framework**, **Python** and Google APIs to achieve the entire functionality
- Registered users can let TIMI generate summaries that are saved in a PostgreSQL database and can be accessed and deleted at any given time. Data gathered to generate a week summary is displayed in a table and in a colored-doughnut chart.

ThErapy Screening, Github Repository   **July 2019**
- Developed a mobile Android app, using Android studio, that collects information from therapist's patients as well as their answers to a questionnaire, generates a report with the information gathered and sends the report to the therapist's email
- Learned how to use **Google's Firebase** APIs in order to implement the authentication functionality of the app that allows a therapist to sign in to the app with his/her Google account

Portfolio Website, Github Repository   **June 2019**
- Developed a portfolio website to present me, my passions, projects, and skills. Used **HTML** to structure the body of the website and **CSS** and **Bootstrap** to style and embellish it. Link to website.

Metal Finder Robot, CS/EE 120B Intro to Embedded Systems Final Project, Github Repository   **May 2019**
- Developed a motorized, four-wheel robot capable to travel in a straight direction and detect small metal objects on its way. Components used include an ATMega microcontroller, DC motors, an ultrasonic sensor, and an inductive metal detector
- Implemented the functionality of the robot using **Concurrent, synchronous state machines** and **C programming language** in order to make it behave intelligibly after detecting a metal object or a potential obstacle in front of it.

HACKATHONS

RoseHack, Cameo Card Game   **February 2019**
- Worked with a team of 4 students in the development of a card game using Android Studio
- Designed the user interface of the game using Android Studio tools and XML files

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HONORS & AWARDS

- UCR Dean's Honor List (3.5 GPA or better): Freshman year & Sophomore year