

# Johan Guzman

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## EDUCATION

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

**Expected June 2021**

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## SKILLS

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

### Web Developer Internship, Olive Crest

**September 2019 - Present**

- Works for the Data and Outcomes department on assigned web application projects that include front-end work using HTML, JavaScript, AJAX requests and back-end API work using C# and ASP.net web framework
- Learned database design and maintenance using Entity Framework and SQL

### 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.
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## 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