

Johnny Zavala

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Aspiring Full-Stack Engineer

Results-driven Full-Stack Engineer with demonstrated experience combining creativity and accessibility viewpoints to design web applications. Have planned, prototyped, designed and documented interaction schemas for various industries ranging from construction to cooking to web development. Passionate about creating compelling user experiences to improve brand loyalty, customer retention, and visit-to-order ratios. Friendly, upbeat, and engaging with proven strengths in communication and relationship building across departments.

- **Customer Satisfaction:** Friendly, upbeat, and engaging with proven strengths in communication and relationship building. Fluent in English as well as Spanish with ability to provide outstanding customer service to a diverse client base to generate strong rates of satisfaction and retention.
 - **Leadership and Collaboration:** Taught English course for groups of 20-30 middle school students in Experiment in International Living in China, developing excellent leadership skills.
 - **Technical Skills:** SQL, JavaScript, jQuery, HTML5, CSS, Bootstrap, Object-Oriented Programming. Excellent project management, analytical, and organizational skills with technical proficiency in MS Word, Excel, and PowerPoint.
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Education

Bachelor of Arts in Philosophy, Minor in Computer Science

State University of New York at Albany, NY

Columbia University Boot Camp

An intensive 24-week long boot camp dedicated to designing and building web applications. Skills learned consisted of HTML5, CSS3, Javascript, JQuery, Bootstrap, Firebase, Node JS, MySQL, MongoDB, Express, Handlebars JS, & React JS.

Professional Experience

Carpenter Assistant – Korona Construction Company

June 2016 - August 2016

- Provided valuable assistance in renovating apartment rooms by developing solutions to structural problems.
 - Ensured accuracy and efficiency by meticulously measuring and recording openings and distances to layout areas where construction work would be performed.
 - Key Achievements:
 - Thoroughly inspected an average of 5 to 7 job sites per month, communicating with multiple people across the company to determine extent of repairs needed, budget estimate, and time to completion.
 - Distributed and utilized building materials, machinery, and tools in a team of up to 7 other workers while maintaining a safe, clean work area.
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Research Assistant – RNA Institute

June 2014 to August 2015

- Closely collaborated with team of 3 scientists to develop and validate a new technology for detection of specific genetic sequences, resulting in successful achievement of goals and milestones.
- Utilized excellent research and analysis skills in adapting recently developed DNA nanoswitches to change from linear to loop conformation in the presence of a specific RNA analyte.
- *Key Achievement:*
 - Published 11 months of intense nanoswitch research in a peer-reviewed academic journal, *Programmable DNA Nanoswitches for Detection of Nucleic Acid Sequences*: Arun Richard Chandrasekaran, Johnny Zavala, and Ken Halvorsen, ACS Sensors 2016 1 (2), 120-123. DOI: 10.1021/acssensors.5b00178.