Juan Carlos Chavez Jr.
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EDUCATION
University of California, Riverside (transferred from Mt. San Antonio College)
Bachelor's degree in Computer Science: October 2017, GPA: 3.0
- Dean's List: Fall 2010-Spring 2013 *(Mt. SAC)*
- Honor's Society *(Mt. SAC)*

TECHNICAL SKILLS
Programming: C/C++, VHDL, Visual Basic, HTML/CSS/Javascript
Operating Systems: Linux, Windows (XP, 7, 10)
Software: Xilinx, Matlab, Atmel Studio

EXPERIENCE
Program Lead at Think Together [2/22/18 - **Present**]
Walmart Seasonal Associate (warehouse management) [10/3/17 - 12/23/17]

PROJECTS
   Github: https://github.com/Ganglians
   LinkedIn: https://www.linkedin.com/in/juan-chavez-78a038a9

Computer Security OpenSSL Project [https://github.com/Ganglians/CS165/tree/master/hw2]
Summary: A formulation of an RSA key exchange to establish a secure connection between a client and server. After establishing a secure connection, the client can request to view files from the server.
- Client first establishes an SSL connection to the server.
- Client verifies server's authenticity by sending the server an encrypted (RSA public) random "challenge."
- Server decrypts (RSA private), hashes (SHA1), signs(RSA private), the challenge and returns it.
- Client can then send a file request to the server, specifying the filename of a document to retrieve
- Server returns the document over the SSL connection, and the client displays it.
Environment: C, OpenSSL

PokeQuest Project [https://github.com/ryosaito999/Pokemap]
Summary: Hackathon project where we customized a geolocation map (provided to us by ESRI) to simulate walking and encountering Pokemon, inspired by the game Pokemon Go, which was unreleased at the time (November 2015).
- The project was started with a generic website template that showed a user's GPS location.
- Found a database online with Pokemon sprites, names, etc.
- We added map markers that would appear semi-randomly near the user, these map markers consisted Pokemon sprites. Once the user walked to their exact locations, a message indicating they had 'caught' the pokemon would appear and the Pokemon sprite would be removed from the map.
Environment: CSS, Javascript, HTML, Bootstrap

PROFESSIONAL AFFILIATIONS AND INVOLVEMENT
Association for Computing Machinery Member (ACM)

Boy Scout Merit Badge Day volunteer (IEE)
Hackathons: Cutie Hacks, SD Hacks, Citrus Hacks