

Alberto Villalobos

Student at Santa Barbara City College

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Summary

Since a young age, I have been passionate about computers and programming. I started coding in elementary school for the purposes of hacking and modding video games, a passion which took me on a journey to learn from XML syntax to JAVA and C++. However, my vision of the future of apps is web based, which led me to learn PHP and JavaScript. Since then, I've established myself as a web-app developer focusing on both back and front ends, and developing AJAX intensive applications.

You can find more at <http://albertovillalobos.me/>

Recently I have been focusing on web applications and REST api development using the MEAN stack for fast development. With it I've won awards at hackathons with my latest projects like WiPi and WannaHang as well as working on other personal projects.

Experience

Freelance at Freelance Software Development

May 2012 - Present (2 years 7 months)

1 recommendation available upon request

Chief Software Architect at Dulceria Arcoiris

May 2013 - August 2013 (4 months)

Overhauled the company's software into a cloud service, with web-based and mobile capabilities for both business management and point of sale system.

Chief Software Architect at Lent & Cardenas LLC

February 2013 - July 2013 (6 months)

1 recommendation available upon request

Organizations

SBCC Computer Science Club

Vice President

August 2014 to Present

As a VP of the CS Club I made it my personal responsibility to introduce Hackathon culture into the club, which yielded two winning teams on two separate Hackathons (Citrix & CalHacks) and an attendance of more than 50 club members. It has been an amazing experience of how through example and encouragement I opened the door for beginning students to excel at programming and perform superbly at these Hackathons, and consequently attain employer interest and even internship offers.

Honors and Awards

Best Interactive Hack, presented by Jawbone

CalHacks Hackathon

October 2014

WiPI is a new standard for the internet of things. We build modules out of Arduino boards with 2.4Ghz radios that talk to each other and a central Raspberry Pi running a NodeJS server. They communicate through serial sending and receiving data. This can be commands for sensors and actuators. The Raspberry Pi server then communicates to VPS running a MEAN stack which can schedule commands, send commands, receive data, log data/analytics, etc.

Digital Ocean 3rd Place

LaHacks Hackathon

April 2014

Cloud NES is a javascript NES emulator webpage which allows users to play NES games against their friends. iPhones act as game controllers so you can sit back and play just like it's the classic console. You can chat with the people you compete with. You can also play solo. It is compatible on any HTML5 browser and fully scalable. The iOS remote is specially designed to have tactile feedback for a eye free experience, using clever vibration and d-Pad control.

<http://challengepost.com/software/cloud-nes>

DigitalOcean 1st Place

Hacktech Hackathon

January 2014

I participated in Hacktech's hackathon, the largest hackathon on the west coast. My team of three created an app called Jarvis, which won us the 1st place company prize from DigitalOcean.

We were awarded an iPad mini along with \$6,000 of hosting credit.

The app and site we made at the hackathon can be found at <http://jarvisupdate.com/>

Hacking Excellence

Carnegie Mellon University

June 2013

I participated in Carnegie Mellon's PicoCTF hacking competition and was awarded the "Hacking Excellence" award for successfully completing every level, with the exception of the last level.

The award was given by the following people:

James H Garrett Jr., Dean Carnegie Institute of Technology

Randal E. Bryant, Dean School of Computer Science

David Brumley, Project Lead Assistant Professor

Projects

Wipi

October 2014 to Present

Members: Alberto Villalobos

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I took care of the MEAN VPS and the NodeJS server on the Raspberry Pi.

WannaHang

July 2014 to Present

Members: Alberto Villalobos

WannaHang is a multi-platform webapp that seeks to help users interact with each others in person, easily and effortlessly, by solving the problem of fitting schedules.

WannaHang only required the user to input who with and when would the user like to hang out. Then the app takes care of the rest. Unlike Snapchat or Facebook, WannaHang uses technology to bring connect people in person.

My responsibilities included half of the back-end in Node/Express/Mongo, the entirety of the front-end web-app using AngularJS and the front-end design, and some of the product development.

CloudNES

April 2014 to Present

Members: Alberto Villalobos, Erwan Lent, Joel Green

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Jarvis

January 2014 to Present

Members:Alberto Villalobos, Erwan Lent, Joel Green

Jarvis App was created in 36 hours at the Hacktech Hackathon.

Jarvis is an iOS app that gets all relevant information about the user. Jarvis collects information regarding your stocks, calendar events, RSS feeds, and even the weather. Jarvis then transforms all of this data into a human paragraph that is read aloud using a text-to-speech engine.

Jarvis is implemented as an alarm clock so that a user can wake up to calming music, and a gentle voice reading off that day's weather, RSS feed titles, stock changes, and that day's calendar events.

For more information, please visit <http://jarvisupdate.com/>

Distribution Of Work:

Alberto Villalobos - Server developer, PHP development, API development, Artificial Intelligence development.

Erwan Lent - Website designer, database engineer, API development.

Joel Green - iOS Developer

Jarvis App uses PHP and MySql, and is hosted by our sponsor, DigitalOcean.

LangSwitch

July 2013 to Present

Members:Alberto Villalobos

A sleek, simple, lightweight language switching plugin. Using the power of jQuery and HTML5 to switch languages at the click of a button.

Web Based Text Editor & FTP client

January 2012 to February 2012

Members:Alberto Villalobos

This project is a web-based text-editor using the ACE libraries. A user is able to log into any FTP server, and access the files remotely using this text editor. The files can then be saved with the press of a button and the changes will be live instantly.

Skills & Expertise

JavaScript
XML
PHP
C++
C#
MySQL
MongoDB
AJAX
HTML 5
CSS3
Java
Web Applications
CSS
REST
programming
Software Development
Web Development
Web Design
SQL
Object Oriented Design
UML
Software Engineering
Arduino
Mercurial
Git
Cloud Computing
Programming
HTML5

Languages

English	(Native or bilingual proficiency)
Spanish	(Native or bilingual proficiency)
French	(Native or bilingual proficiency)

Education

Santa Barbara City College
2011 - 2014

CETYS Universidad
2008 - 2009

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2 people have recommended Alberto

"I initially hired Alberto to aid in a software my company was writing. Over time, it became apparent that Alberto not only showed passion for the work he was doing, but professional experience that drastically showed in the end results of the software. Since then, Alberto has become my best friend and business partner. I've worked with Alberto on countless projects, and his web experience is to be respected. Alberto not only has the professional skills needed to work in any institution, but also contains the open minded attitude needed to excel and grow as a developer."

— **Erwan Lent**, *Software Developer, Freelance Software Development*, worked directly with Alberto at Freelance Software Development

"Alberto is one of the most dedicated web developers with whom I have had the pleasure of working. Back in 2012, I started a business with my friend, literally, out of my parents garage. Our goal was to provide low-cost communication software to impacted rural and inner city schools. Initially, however, we aimed at providing it for free to our local high school in Goleta, CA. Education is not a glamorous field. Even less glamorous, however, is trying to pioneer a new technology in the field of education. Couple that with the fact that we weren't even making money yet, and you had a very unattractive looking employment package. Despite these setbacks, Alberto contributed countless hours of work to our cause. It was not until he had almost completely coded our entire web interface and even put in his own money to pay for a month of our servers that we offered him equity. This, in my mind, is what differentiates Alberto from the rest. He is passionate about his work and has a level of generosity rarely seen in many software developers. If I had a nickel for every all-nighter he pulled that we could meet a deadline, I would be a very rich guy. I highly recommend Alberto for any sort of position to which he applies. Feel free to contact me with any further questions about his qualifications."

— **Liam Cardenas**, was Alberto's client

[Contact Alberto on LinkedIn](#)