

Heggy Castaneda

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I love building progressive web apps that enhances user experience on any device.

Technologies

Languages \ JavaScript, TypeScript, Python, Ruby

Frameworks | Other \ HTML5, CSS3, JQuery, AJAX, JSON, PHP, SQL, MongoDB, Express.js, AngularJS, Node.js, React, Reduct, JavaScript Design Patterns, MVC, Bootstrap, AWS Lightsail, AWS Elastic Beanstalk, ServiceWorker, IndexDB, Postman, Web API, Rest API, GoogleMaps API, MapBox API, DBX API

Automation Software \ Gulp, Grunt, Webpack, Jenkins

Prototyping \ Balsamiq, InVision

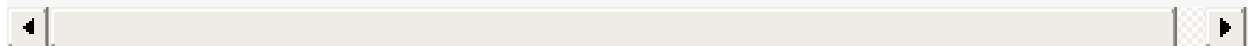
Content Management System \ WordPress

Graphics Editor \ Gimp, Sketch, Adobe Illustrator, Adobe PhotoShop

Projects

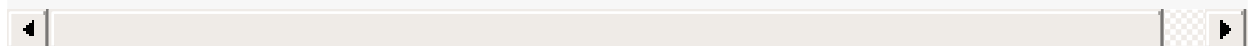
[JS Conference Talk](#) : a place for users to watch videos and submit their forms.

- * User-friendly features: form auto-clears after submission, a sticky form that stores user input even after navigating away from the site.
- * Form validation function implemented using regex.
- * Web security for cross-site scripting (XSS) attack is handled by scrubbing data with scrubInput function.



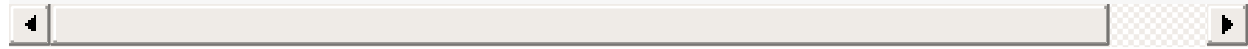
[Parallax](#) : a fun project that uses Math to manipulate images' position.

- * CSS absolute positioning using viewport width and height.
- * When the window loads jQuery's .mousemove() method listens for movement of the mouse. This calls mouseMove() function which gives parallax effect.



[YelpEat](#) : a restaurant review web app that incorporates accessibility ("a11y") for diverse users for diverse screen sizes with various network speeds.

- * Read an existing code base and add new features ie: Responsive for any viewport dis
- * Make the site accessible by adding ARIA roles, skip-links, ALT Text for images, color contrast checker by Webaim.
- * Increase performance of the site using service worker loading.



[Expense Organizer](#) : a web app that gathers your receipts which runs on [DropBox API](#) technology.

- * OAuth: Direct the user to Dropbox, and prompt for a code for login.
- * GET images: Dropbox API object returns jpeg images over a Python web server.

Experience

Journey | DynoSense \ Project Manager | Business Analyst | QA Engineer *Feb 2016 – Dec 2016*

- Performed Black box testing.
- Created test cases for iOS and Android app.
- Managed team of software engineer and write specs and business requirements.
- Communicated with external customers and partners
- Worked in Scrum, SDLC agile methodology.

Journey | Wonder | MindfulMoney | CTI \ Accountant *Aug 2002 – Dec 2018*

- Reported directly to C-Suite executives
- Prepared monthly board meeting financials
- Processed payroll data, A/P, A/R, onboard new hires and employees for benefits
- Supported CPA with annual company audits

Speaking & Publications

How to videos \ [SWAP Reverse Array using Insertion Algorithm](#), [Reverse string 3 different ways using javascript](#), [Reverse Array using Insertion Algorithm](#), [Reverse string NOT using .reverse\(\) method](#), [Array Sum Part1](#), [Array Sum Part2](#), [Reduce your photo image size smaller in Gimp](#), [Scale image using Gimp](#), [Use XOR](#), [Dognition User Behavior Data Analysis using Tableau](#)

Data Structures & Algorithm \ [Mutations](#), [Slasher Flick](#), [Falsy Bouncer](#), [Reverse a String](#),

[Factorialize a Number](#), [Title Case a Sentence](#), [Return Largest Numbers in Arrays](#), [Confirm the Ending](#), [Repeat a string](#), [Truncate a string](#), [Chunky Monkey](#)

How to articles \ [Building Photo Gallery App](#), [How I won Grow with Google Developer Scholarship phase 2](#), [Photo Filters, tip calculator](#), [WordPress.org site using Lightsail AWS](#), [How to make your community open Slack team super low maintenance.](#), [Markdown preview on Visual Studio Code](#), [Why do we have .map\(\) vs. .forEach\(\)?](#), [JavaScript Today: string.toUpperCase\(\)](#), [Secret for women to succeed in technical interviews](#), [PHP: \\$heredoc use case](#), [PHP vs static web](#), [PHP predefined variable names](#), [Bootstrap: 12 columns grid system](#), [CSS precedence rule: Style attribute overrides any style set globally](#), [#id vs .class selector](#), [PHP Date Time Zones Reference](#), [CSS: Additive property of actual width and height](#), [How to create thumbnail pic on MBP](#), [Going deaf listening to constant fan noise?](#), [Javascript debugger tool](#), [2 neat sites for live coding with friends](#), [Javascript prep 101](#), [Open source QA test suite](#), [Challenges of SDLC in Agile Development](#)

Community Engagement

Leadership

[TechLadies](#) \ City Organizer, Connect tech ladies by hosting local tech events. *Aug 2018 – Present*

[dev/Mission](#) \ Mentor, Close the tech education gap for underserved communities by exposing and inspiring by young adults in SF bay area. *Sep 2018 – Present*

[StreetCode](#) \ Mentor, Teach how to build WordPress.org static website with AWS Lightsail, a virtual private server, CSS, HTML, DOM. *Spring 2018*

[ngGirls](#) \ Mentor, Teach ladies to build AngularJS [Todo list app](#) *May 2018*

Honors \ [PayScoop](#) \ Winner of best iOS7 app award at iOSDevCamp (Implemented AirDrop/Wifi Direct instead of NFC) *2013*

Tech Conference | Hackathon | Meetup \ [Women Who Code Silicon Valley Hackathon \(2018\)](#), [Reactathon \(2018\)](#), [Tech Inclusion Conference \(2015, 2018\)](#), [Hacktoberfest Launch Party \(2018\)](#), [Code for SF: National Day of Civic Hacking \(2018\)](#), [AngelHack SF Hackathon \(2018\)](#), [try!Swift San Jose \(2018\)](#), [Tech Superwomen Summit \(2018\)](#), [Tech Jobs Tour SF & Oakland \(2017, 2018\)](#), [Maker Faire Bay Area \(2011 – 2017\)](#), [Bay Area International Women's Day Celebration \(2018\)](#), [Tech Ladies X Slack \(2018\)](#), [ngGirls \(2018\)](#), [Girls in Tech \(2017\)](#), [ChickTech ACT-W Conference \(2017, 2018\)](#), [Cloudflare Web Acceleration 101 \(2017\)](#), [Female Founders Summit \(2017\)](#), [AWS Meet & Greet Happy Hour \(2017\)](#), [FreeCodeCamp Noisebridge \(2017, 2018\)](#), [API World \(2017\)](#), [Alexa Skills Workshop \(2017\)](#), [#YesWeCode \(2017\)](#), [WWDC Keynote Viewing Party \(2017\)](#), [WomenWhoHack \(2017\)](#), [Tacos & Tech \(2017\)](#), [Flight: Twitter's](#)

[Developer Conference \(2015\)](#), [Integrate Conference & Hackathon \(2015\)](#), [AT&T Mobile App Hackathon - Bay Area \(2015\)](#), [Intro to Web Security \(2015\)](#), [Hackbright Academy Dinner & Demo Night \(2015\)](#), [Women 2.0 Webinar: How to Transform Your Ideas into Software Products \(2014\)](#), [Women 2.0 City Meetup Silicon Valley \(2014\)](#), [K-Tech Silicon Valley \(2014\)](#), [Bay Area Girl Geek Dinner \(2013\)](#), [WebRTC Fundamentals Summit \(2013\)](#), [Intel Hack n' WIN \(2013\)](#), [HTML5 Dev Conf \(2013\)](#), [Silicon Chef \(2013\)](#), [Geeklist #hack4good \(2013\)](#), [iOSDevCamp \(2013\)](#)

Education

Udacity MWS Nanodegree, Mountain View, CA [Mobile Web Specialist Nanodegree Program](#) \ *Capstone Project: mobile-first, accessible, responsive, offline capable, performant Web Apps*

University of North Carolina at Chapel Hill [B.S. in Mathematics Decision Science](#) \ *Major in Operations Research*

Certifications

UCSC Extension, Silicon Valley, CA [Internet Programming and Development](#) \ *Learn JavaScript Web Technology* \ 2017 – 2018

General Assembly, San Francisco, CA [Data Analysis Circuit](#) \ *Manipulate data using Statistics and Excel, Communicate findings to stakeholders* \ 2016

Cisco SkillZone Business data analyst track, San Francisco, CA [Cisco IoT pilot program](#) \ *Accepted into highly competitive (8% acceptance rate) after the rigorous interview process* \ 2016