

## Melanie Villela

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Portfolio: <https://melanievillela.github.io/>

### Professional Summary

For the past 10 years I have been working in the Oil and Gas industry as a drafter and designer. I recently decided I needed a change and began the journey of learning front end web development. I have been following online courses such as CodeCademy, FreeCodeCamp, Udemy and Udacity. I really enjoy working with JavaScript and React. I love learning new things and hope to get a position so that I can grow with a company while continuing to grow my knowledge of programming.

### Education

#### *University of Houston*

I began attending to pursue a degree in mechanical engineering but stopped because of family issues. I plan on returning and hope to get a degree in computer science instead.

2013 (last year attended)

#### *Udacity Grow with Google FEND*

I applied for a scholarship with Udacity and was accepted into the program. I completed the Front End Developer course.

October 2018  
(completed)

### Skills

HTML	Flexbox	Keyshot
CSS	Materialize	AutoCAD
JavaScript	Firebase	Solidworks
React	Heroku	GD&T
Python	Google Cloud	PLM / PDM
Node	Adobe XD	SAP
Git	Adobe Photoshop	
Bootstrap	Adobe Illustrator	

### Employment History

#### *Web Developer* Freelance

Current

From the beginning of the year until currently I have been freelancing on Upwork to create websites. To view the projects that I have worked on you can look at my portfolio page.

#### *Mechanical Designer* Expro Group

2013 - Current

Product lines worked on:

- Down Hole Video Cameras
- Calipers
- Assist engineers with improved camera body design.

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- Create machine drawings for production.
- Layout and organize bill of materials.
- Work with Advitium to keep project database current.
- Work with SAP to pull reports.

*Mechanical Drafter / Documentation Specialist*  
Radoil

2007 - 2011

Product lines worked on:

- Reels
  - Hot Stabs
  - Control Panels
  - Centralizers
- 
- Assist engineers with machine, weld and assembly drawings for production.
  - Clean up redline drawings from engineers for production.
  - Create part numbers for drawings.
  - Layout and organize bill of materials.
  - Assist with documents control for projects.
  - Create service and operational manuals.
  - Create documentation/traceability manuals.
  - Create specification sheets.
  - Assist with photographing products for manuals.
  - Use photo editing programs to clean up photographs.

## Hackathons

*Houston Hackathon 2018*

**Food Me** - Honorable Mention

I pitched an idea to have a centralized website for use during local disasters to help the community see which stores had the supplies they needed and what the wait time was. There was a lot of interest in my app. Although my team did not win 1<sup>st</sup> place we did get an honorable mention for our project. I helped work on the design and UX/UI.

*Hack Houston 2019*

**Trash Panda**

I pitched an idea to have a centralized website to search for local cleanup challenges to turn the #trashtag challenge into a permanent movement. I created the site using React and Firebase.

## Interests

*Children's Games and Activities Coordinator*

ASME/UH OTC Crawfish Boil

Plan, budget and coordinate a fundraising event with over 10,000 people in attendance to raise money for scholarships at the University of Houston College of Engineering.