

José Pimentel

jedpimentel@gmail.com - Boston, Massachusetts - Cell: 857-800-7671

I love JavaScript, spec sheets, data, and working with layouts and compositions.

I enjoy working with multimedia and creating experiences. GIMP is my go-to image editor, and Sony Vegas for video.

GitHub	github.com/jedpimentel	CodeWars	codewars.com/users/jedpimentel
LinkedIn	linkedin.com/in/jedpimentel	HackerRank	hackerrank.com/jedpimentel

Personal Projects and Research (Jan 2019 - Current) Boston, Massachusetts

Made experimental **A-Frame/Three.js** (3D/VR) Frontends viewable in Virtual Reality and regular browsers.

Wrote my own movement and line-drawing components. I'm currently working on an in-VR presentation system.

I'm documenting my VR stuff here: jedpimentel.github.io/stuff. (spartan, requires Oculus Quest for full experience)

I programmed a 6-DOF robotic arm to follow my hand movements using the **Leap Motion API** to read my fingertip positions, and Three.js/JavaScript to parse that data into servo motor angles, which are sent via **WebSockets** to the backend, which forwards the values to an **Arduino** via USB (started my own binary/serial protocol).

Footage: <https://youtu.be/R-DNUJrUU9s?t=1069>

(fingers > Leap Motion > JavaScript Frontend > WebSocket > JavaScript Backend > USB > Arduino C > plastic)

Project log: <https://www.youtube.com/watch?v=YwtfH2BK4ac&list=PLp1h6x4FOZbD1WfXB6FbCI7TboPiQIAH8>

Developer (Frontend Focus) - Bison.co (Apr 2017 - Jan 2019) Boston, Massachusetts

Bison.co handles cashflow data and reporting metrics for investment funds and investor, with a focus on standardizing the private equity data collection and reporting pipeline within a unified platform.

I mostly worked on the Front-End (**HTML, CSS/SASS/SCSS, JavaScript/knockout.js, Highcharts.js**), reaching into the Back-End (*minor focus, 10-15 % of time*) as necessary (*Python/Flask, Postgres/PSQL*).

Implemented a site-wide color palette system for highcharts, allowing per-client color schemes.

This is me being interviewed early in my time there: <https://www.masstlc.org/tag/jose-pimentel/>

Extended an existing report generator engine to include a system for report components that roll between pages as necessary, allowing for arbitrary amounts of charts/sections, in paginated, printer-friendly layouts.

Education

Resilient Coders Web Development Bootcamp - Resilient Labs (*grad. March 3, 2017*)

Front End Development Certification - FreeCodeCamp.com/jedpimentel (*March 20, 2016*)

BE in Industrial Engineering - Autonomous University of Santo Domingo (*grad. February 25, 2014*)