

Jose Pimentel

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Seeking full-time position as a **Software Engineer**. I'm a Frontend-heavy web developer that's flexible across the stack. I'm strongest with **JavaScript**, frequently using **Node.js** for personal stuff, and am open to different areas/languages. I'm also an electronics nerd that frequently carries an Arduino in his backpack (**C** was my first language) I'm also an artsy-type that took art classes before engineering (GIMP is my favorite image-editor, Sony Vegas for video).

I volunteer with BostonVR meetup, handling VR demos and onboarding newbies at their "hack day" events. I also volunteer at Resilient Coders, mentoring under-represented youth on **Web Development** and tech in general.

GitHub	github.com/jedpimentel	HackerRank	hackerrank.com/jedpimentel
LinkedIn	linkedin.com/in/jedpimentel	Personal	jedpimentel.github.io

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.

I'm currently working on an app for making VR presentations, and a A-Frame component library.

I'm documenting my VR work here: jedpimentel.github.io/stuff. (Oculus Quest suggested 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 a **Node.js** backend, which forwards the values to an Arduino via USB.

Video: <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 focused on Front-End development (**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.

Interview from early in my tenure: <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*)