

Jose Pimentel

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Seeking **Engineer** or **Analyst** positions. I'm a software 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 and languages. Electronics has always interested me, I like to fix things, and enjoy working with Arduinos (**C** was my first language!). I like to draw, and took art classes before engineering (GIMP is my usual 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 an A-Frame component library.

I programmed a 6-DOF robotic arm to mimic my hand movements using a **Leap Motion** hand tracker, and my own frontend script to parse fingertip positions into servo motor angles, which are sent via **WebSockets** to a **Node.js** backend, which forwards the values to an Arduino via USB. <https://youtu.be/R-DNUJrUU9s?t=1069>
(fingers > Leap Motion > JavaScript Frontend > WebSocket > JavaScript Backend > USB > Arduino C > plastic)

Developer- Cobalt Software (previously known as Bison.co) (Apr 2017 - Jan 2019) Boston, Massachusetts

Bison.co handles cashflow data and reporting metrics for investment funds and investors.

I focused mostly on Front-End development (**HTML**, **CSS/SASS/SCSS**, **JavaScript/knockout.js**, **Highcharts.js**), doing UI work on their analytics and report generation engines, and reaching into the Back-End as necessary (**Python/Flask**, **Postgres/PSQL**).

Implemented a site-wide color palette system, allowing clients to export charts and reports with their brand colors.

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*)

Jose in the media: <https://www.masstlc.org/tag/jose-pimentel/>

I'm documenting my VR work here: <https://jedpimentel.github.io/stuff/>. (Oculus Quest suggested for full experience)

More Robot: <https://www.youtube.com/watch?v=YwtfH2BK4ac&list=PLp1h6x4FOZbD1WFxB6FbCl7TboPiQIAH8>