

# Cedric Orejola

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## EXPERIENCE

### Software Engineer Intern – DataSlate

June 2020 – Present

- Providing application services, using various tech stacks MERN & Angular10/Laravel, to clients under guidance of senior engineers.
- Successfully launched an open source job tracking application (Career Sauce), implementing agile methodologies and utilizing Express.js, Node.js, Vue.js & PostgreSQL with Sequelize. Built out the backend portion of the application and implemented user registration/authentication using Passport.js. REST API endpoints evaluated using Postman.

### Software Engineer Contract - EVA2 (Phase 1) – Collective Academy

October 2019 – January 2020

- Participated in weekly stand ups with the client and implemented agile methodology with Trello to track project sprints.
- Delivered a redesigned student evaluation system *EVA* with a new user interface/experience using Vue.js. The redesigned front end integrated seamlessly with the legacy Django/ PostgreSQL backend.
- Successfully added a new user registration feature to the main student portal and set up Dock Containers to run the backend environment.

### Assistant Project Manager - Lendlease Construction US, Los Angeles, CA

October 2017 – January 2020

#### *Lendlease Innovation Project - Construction Fire: Prevention & Control Application*

- Developed a user-friendly construction fire risk assessment tracking application built using the MERN stack and following MVC architecture. Coordinated the group git workflow using the agile methodology. Utilized mongoose ORM to store survey results & display the current result using D3. Implemented a mobile responsive design using Json Web Tokens to maintain user authentication throughout the session.

#### *8<sup>th</sup> & Figueroa Project, Oceanwide Plaza Project*

- Coordinated the competitive bidding & buyout of the Interior Doors, Frames & Hardware & Telecommunications scope of work.
- Trade manager for the Exterior LED Display Signage & Doors/Frames/Hardware scopes of work.
- Review monthly subcontractor's trade pay applications & change order logs to verify billed materials & work completed on site. Lead design & coordination meetings with owner, architect & subcontractors.

### Project Engineer – Limbach Company LP, Los Angeles, CA

May 2016 – October 2017

#### *LAX – United Airlines Terminal Redevelopment Program (T7/T8), LAX – T2 Systems/Finishes, LAX – IT MPOE*

- Participated in weekly mechanical design assist & resolution meetings & jobsite walks to observe site conditions.
- Review RFIs, architectural supplemental information, and contract drawing revisions to assess the impact to the scope of work and potential change orders.
- Performed heat load analysis calculations using Energy Pro, system layout using AutoCAD, and pipe sizing to assist take-off estimate for design assist efforts during project bidding.

### Project Engineer Contract : University of Southern California 'The Village Project', Los Angeles, CA

August 2015 - May 2016

- Built and maintained drawing sets revision history for The USC Village Project using Bluebeam Sets & Studio Projects.

### Engineer II: Ship Systems Waterfront Engineering Group, General Dynamics Electric Boat, Groton, CT

June 2012 – April 2015

- Resolved emergent shipyard construction & system testing issues for the Freshwater and HVAC Ship Systems of US Navy VIRGINIA class nuclear submarines.
- Validated ventilation system design calculations for MTS and VIRGINIA Class by performing various AC load, pressure drop and correction factor calculations.
- Developed, evaluated, and validated a 3-D printed modification zone air balance testing equipment.
- Managed the HVAC laboratory, wind tunnel, test equipment inventory and provided engineering test support.

### Junior Estimator, Paladin Construction Corporation, Brooklyn, NY

May 2011- May 2012

- Prepared take-off estimates of interior glass, windows, glazing, curtain walls, and storefronts for project bid proposals.

## PROJECTS

### Career Sauce - <https://careersauce.herokuapp.com/?#/>

July 2020

GitHub Repo: <https://github.com/taydougherty/career-sauce>

- Developed an open source job tracking app built with Vue.js, Express, Node & PostgreSQL.

### Passive Infrared Cat Litter Exhaust System

On-going

- Designed a Cat Litter Exhaust system utilizing an Arduino Uno, basic electrical components, a PIR Motion Sensor and a 12VDC fan.

### Construction Fire Prevention & Control : <https://sleepy-eyrie-44318.herokuapp.com/>

August 2019

GitHub Repo: <https://github.com/corejola/construction-fire-prevention-control>

- Proactive Fire Prevention & Control tool to help teams accurately assess fire related risks during the life cycle of a project..

### Velvet Hammer Branding: Tierra Nueva – Coffee Thins Store Locator: <https://corejola.github.io/CoffeeThin-StoreLocator/>

June 2019

GitHub Repo: <https://github.com/corejola/CoffeeThin-StoreLocator>

- Store Locator web application for Tierra Nueva's Coffee Thins utilizing Google Maps API, lodash, jQuery & custom Velvet Branding API.

## EDUCATION/ CERTIFICATION

### Full Stack Web Development Coding Bootcamp

March 2019 - August 2019

UCLA Extension, Los Angeles, CA

### Engineer-In-Training (EIT) Certification, New York

October 2011

### Bachelor of Science: Mechanical Engineering

September 2007 - May 2011

New York University: Tandon School of Engineering, Brooklyn, NY

Morris Young Outstanding Project Design Award: Urban Wind Turbine Senior Design Project

## TECHNICAL SKILLS

Git, JavaScript, Python, TypeScript, Vue.js, React.js, Angular10, HTML, CSS, SCSS, Express.js, Node.js, PHP, Laravel, MySQL, PostgreSQL, MongoDB, Arduino