

Jessica Olivares

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EDUCATION

University of Texas at Austin Coding Boot Camp Certificate – May 2022

University of California, Berkeley – May 2020

Master of Science | Civil Engineering, Structural Engineering, Mechanics and Materials

Overall GPA: 4.00/4.00

University of Texas at Austin – December 2016

Bachelor of Science | Architectural Engineering | Highest Honors

Overall GPA: 3.97/4.00

Recipient, Outstanding Scholar-Leader Award of Cockrell School of Engineering Graduating Class (Valedictorian), 2016

SKILLS

JavaScript/ES6 • ReactJS • NodeJS • NPM • ExpressJS • NoSQL • MySQL • MongoDB • Mongoose • Sequelize
jQuery • Handlebars • HTML5 • CSS3 • Bootstrap • TailWind CSS • DaisyUI • Jest • Markdown

GitHub • Git • Insomnia • Figma • Heroku • Trello • Slack • OOP • DOM manipulation • API manipulation
Google Suite • MS 365 • AutoCAD • REVIT • MathCAD

SOFTWARE PROJECTS

Code Vegeta | <https://code-vegeta.herokuapp.com/> | <https://github.com/DevJonTaylor/code-vegeta>

- A fullstack MERN application where users can build their dream website and share design ideas with others. The website also features preset aesthetic themes and a donation page.
- Role: UI/UX Design, Frontend Functionality, and Backend Functionality.
- React, HTML, JavaScript, CSS, DaisyUI, Tailwind CSS, Vitawind, MongoDB, GraphQL, Apollo, GrapesJS, Stripe

Travel Diary | <https://afternoon-harbor-62644.herokuapp.com/> | <https://github.com/strudelAndCoffee/travel-log-dashboard>

- A website where users can share stories, tips, and pertinent information regarding their travel experiences.
- Role: Project Manager, UI/UX Design, Frontend Functionality, and Backend Functionality.
- HTML, JavaScript, CSS, Bootstrap, Express, Sequelize, MySQL, dotenv, Multer, Insomnia, NodeJS, NPM, Nodemon

PROFESSIONAL HISTORY

Senior Forensic Engineer, Thornton Tomasetti (TT) – Austin, Texas

August 2020 – Present

- Project Manager and Client Liason for 4 accounts that handled 30+ buildings
- Conduct condition and safety assessments, and failure investigations to document existing building conditions and distress caused by natural and man-made perils
- Produced 50+ technical reports covering damage assessed, evaluation of historical building data, weather research, building envelope deficiencies, and conceptual and detailed repair recommendations
- Investigate building material protocols by conducting research including interviewing manufactures and contractors
- Utilize infrared camera and software to assess damage throughout building facades and roofing systems

Staff Engineer, Building Diagnostics, Inc. – Austin, Texas

September 2016 – April 2020

- Conducted condition assessments and failure investigations for 150+ buildings, and prepared bidding and contract packages for implementation of remedial repairs
- Managed 3 international projects in Mexico City, and acted as primary contact for international clients
- Utilized different programs (i.e MathCAD, RISA) to perform calculations for remedial projects
- Conducted on-site construction monitoring to observe implementation of remedial designs, ensure compliance with the design intent, and perform quality control
- Organized and lead progress meetings with contractors and clients to maintain efficient workflow and discuss project development
- Developed resources for drafting, updated and improved company templates for reports, calculation spreadsheets, meeting minutes, and other project documents
- Evaluated bids, submittals, and payment applications to ensure compliance with contract documents

EXTRACURRICULAR ACTIVITIES & ORGANIZATIONS

- TT Employee Networks: Women@TT, Mosaic (multicultural), Spectrum (LGBTQIA+), & Green Champs, 2018 – Present
- Competitor, Olympic Lifting and Powerlifting, 2018 – Present
- Volunteer, Palms Valley Animal Center and Austin Pets Alive, 2006 – Present
- Mentor, ACE (Architecture, Construction, Engineering) Program, 2018