





TRUNG HOANG | FULL-STACK WEB DEVELOPER | RESEARCHER

CONTACT

-  trunghoang@me.com
-  713-714-6868
-  [linkedin.com/in/trunghoangtx](https://www.linkedin.com/in/trunghoangtx)
-  github.com/sparkbold
-  cv.trunghoang.dev

SUMMARY

Houston based full stack web developer with a passion for science and technology. I bring strong analytical skills and a background in Chemical Engineering, Higher Education and Coding that help mission-driven companies and organizations make an impact on their market sector.

EDUCATION

- Flatiron School / 2018**
Immersive Software Engineering
- University of Oklahoma /2010**
PhD, in Chemical Engineering

TECHNICAL SKILLS

- Languages:** Javascript | Ruby | SQL | HTML5 | CSS
- Frameworks:** React | Redux | Node | Rails | Sinatra
- Software:** VSCode | Atom | Sketch | Adobe Photoshop
- Others:** Git | Heroku | Netlify | AWS/Azure | Wordpress | TDD | Swift | Python | PHP

TECHNICAL PROJECTS

Skull-Solitaire - React and React Router, Ruby on Rails | [GitHub](#) | [Demo](#)

- A fun card game based on a version of Solitaire
- + Coded backend JSON API with Ruby on Rails and PostgreSQL Database
- + Built frontend with React and React Router & styled with CSS
- + Incorporated Authorization/Authentication with JSON Web Token (JWT) and protected routes

Tankcoin - JavaScript, ChartJS, Ruby on Rails API | [GitHub](#) | [Demo](#)

- A cryptocurrency trading simulation game where external events might impact your investment. At the end of the session, users can see performance analytics
- + Created backend JSON API with Ruby on Rails and SQLite/PostgreSQL database
- + Built frontend with JavaScript and ChartJS & styled with Material UI

Flatxpo - React, Redux, Ruby on Rails, GIPHY & Faker APIs | [GitHub](#) | [Demo](#)

- Flatxpo is project showcase platform where user can post their projects, look at others, and make comments or like.
- + Built backend JSON API with ActiveStorage on Rails & designed database from Entity Relationship Diagram (ERD) & populated data with Faker & GiPHY APIs
- + Coded frontend with React, Redux, React Router & styled with SemanticUI
- + Created Auth Service with JSON Web Token (JWT)

EXPERIENCE

Web Developer/Designer; Houston, TX — 2017-2018

- + Developed, designed, and maintained websites for clients using WordPress CMS

Webmaster, VNHV (non-profit, volunteer) 2016-present

- + Redesigned, optimized SEO and maintained organization website
- + Deployed AZURE Cloud server for School Registration and Information System

VP of Technology, Hylect; Dallas, TX — 2016-2017

- + Developed mobile fuel-cell application for SE Asia market
- + Led product development team to create more fuel-efficient product

Sr. Engineer, Everette; Dallas, TX — 2015-2016

- + Implemented cutting-edge non-thermal plasma technology for hydrogen production
- + Led research team to innovate and build next-generation steam reformer for fuel-cell applications

Visiting Assistant Professor, UH; Houston, TX — 2011-2015

- + Full-time teacher of organic, physical chemistry and reactor design
 - + Research in natural gas reforming and application of carbon-nanotubes in material design
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