

# Celina Rabe

Software Engineer

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## SKILLS

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Javascript | Python | React.js | Flask | REST | Git | SQL/NoSQL | Webpack | Google Firebase | GCP | Agile/Scrum | HTML/CSS | Bootstrap

## EXPERIENCE

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**Occidental Petroleum** | Fortune 500 Co.

July 2019 - April 2021

Cybersecurity Analyst | Houston, TX

- Designed an asynchronous data aggregation system for a Cisco AMP API using Python and Angular.js, resulting in the **discovery of 500+ application vulnerabilities**
- Utilized PowerShell scripting to automate Active Directory management, **reducing volume of email requests by 80%**
- Followed Agile practices to incorporate cross-department feedback for seamless audit certification process
- **Reduced software costs by \$80,000** by negotiating pricing while ensuring the continuation of services

## PROJECTS

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**Sign Tracker**

April 2021 - June 2021

Marketing Management Tool | [sign-tracker-a5630.web.app](https://sign-tracker-a5630.web.app)

- Created an app that allows political campaigns to easily track and manage the locations of **50+ marketing materials**
- Generated dynamic reusable components and styles at runtime using React.js and Chakra-UI to ensure a consistent user experience across various browsers and devices
- Leveraged the Google Maps API to asynchronously fetch location data based on extracted EXIF data in uploaded photos
- Designed a NoSQL backed data model which allowed users to create, read, update, and delete photos they owned
- Developed pure Javascript abstractions that better separated concerns of performing CRUD operations with the Firebase API and updating UI component state

**CUNY Hackathon: Sky's The Limit**

January 2021

Environment Focused User Platform | [devpost.com/software/sky-s-the-limit](https://devpost.com/software/sky-s-the-limit)

- Collaborated on team of 4 to design and implement multi page application
- Engineered backend carbon emissions calculator using Javascript to allow user to calculate personal carbon footprint
- Created persistent user data using Web Storage API, allowing user to see personal dashboard and rewards
- Conceptualized app design using wireframe tool Figma, to establish team project goals and vision

**Educators for PISD**

January 2021-May 2021

Political Campaign Website | [educatorsforpisd.com](https://educatorsforpisd.com)

- Leveraged 2-way Facebook integration, resulting in **1,174 unique visitors** with 50% of users from social media sources
- Designed user friendly donation flow with 3rd party donation integration, resulting in **\$10,000 in campaign donations**

**MIS 333k Web Application Competition**

Fall 2018

Bevo's Bookstore | E-Commerce website for Business Web Development school competition

- Created CRUD customer facing bookstore website used by customers and employees to purchase and manage books
- Developed search functionality using C# and ASP.NET framework, allowing users to search for books on 6 criteria
- **Placed third among 33 competing teams** and received score of 97/100 based on performance and creative solutions

## EDUCATION

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**University of Texas at Austin**

May 2019

- Bachelor of Business Administration in Management Information Systems
- Minor: Computer Science