

Education

M.S. Chemistry (2015), INDIANA UNIVERSITY, Bloomington (IUB), IN

M.S. Environmental Science (2015)

B.S. Chemical Engineering & Technology (2013), SOUTH CHINA UNIVERSITY OF TECHNOLOGY, China

Skills

Software Skills JavaScript, SQL, HQL, HTML5, CSS3, Python, XML, Java, Git.

Environment React/Redux, JQuery, JSP, and Bootstrap

Technical Tools Tableau, Visio, EIM, SQL Management Studio, Visual Studio, Jaspersoft Studio, SharePoint.

Certificates *Professional Engineer (P.E.) in Chemical Engineering (2020)*
Tableau Desktop Specialist (2020), E.I.T in Environmental Engineering (2018)

Experience

Locus Technologies | Front End Developer, Environmental Software 11/2019 – Present

EHS Software for Environmental Compliance <https://locustec.com/>

“Software as a Service” (SaaS) applications for environmental data management

- Design, develop and implement front-end configuration on Locus Platform, a highly customizable cloud-based environmental information management system.
- Functionalities include writing codes in HTML, CSS, JavaScript, JQuery, and JSP making use of the Bootstrap framework and React library.
- Create and style fully responsive web pages, display dynamic data and troubleshoot errors retrieving and showing information
- Communicate with developers, product managers and UI/UX team to ensure interaction/creative design intent is met, and to promote a consistent, impactful user experience.
- Troubleshoot and resolve existing UI-related bugs and problem areas.

Locus Technologies | Product Engineer, Environmental Software 07/2017 – 11/2019

- Product owner and configurator of Locus SaaS platforms on 5 environmental data management applications in areas of Air Emissions, Waste Management and Sustainability.
- Drive and enhance product capabilities via data analysis, creation of interactive dashboards and reports and coding calculations and actions from multiple systems via Locus APIs/JavaScript/SQL/HTML.
- Lead customer demos, present product roadmap planning and visions on sprint events.
- Collaborate across teams and stakeholders to communicate technical requirements, prioritize product backlogs, and launch solutions from concepts to market for various platforms and mobile products.
- Expertise in the full Software Development Life Cycle (SDLC) using the Agile/Scrum Methodology

City of San Diego | Project Coordinator, Public Utilities 10/2016 - 02/2017

Permits and Compliance (P&S) <https://www.sandiego.gov/public-utilities/permits-construction>

- Lead the implementation of Standard Operating Procedure management software among analysis labs.
- Developed data collection methods, maintained SQL databases, conducted statistical analyses and visualized results to support compliance goals and activities of the P&S.

Arrayed Materials L.L.C., | Project Analyst 03/2016 - 09/2016

New Materials Products & Services <http://www.arrayedmaterials.com/>

- Researched new material markets; developed multiple internal databases collecting and summarizing information of high-throughput materials applications.
- Analyzed product and marketing by building market model using product trends and competitive intelligence, resulting in lists of target product features to prioritize R&D efforts.
- Created dashboards via Tableau for customized views of product data; assisted in project presentations.