

# Alina Trukhina

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[github.com/AlinaTrukhina](https://github.com/AlinaTrukhina)

<https://alina-trukhina-portfolio.vercel.app/>

After a decade of working in the petrochemical industry, I wanted to apply my analytical problem-solving skills and love for lifelong learning in a career in tech. I am excited to challenge myself while making a positive impact for others using tech. When I'm not coding, you could find me reading science fiction, foraging for plants, mushrooms, and going on long hikes.

## Skills

- JavaScript
- Node.js
- React
- Redux
- PostgreSQL
- C#
- AWS
- HTML
- CSS

## Experience

August 2022 - January 2023

### **Prime Digital Academy, Minneapolis** - *Software Development Student*

- Solo project: Foraging Finds
  - Created a full-stack app to store location of your plant and mushroom finds for mushroom foragers to come back to at later date
  - The app gets user location, allows users to upload a photo and journal entry, and users can then view, edit, or delete later
  - Built with React, Redux, Node.js, PostgreSQL, GoogleMaps API, Multer
- Group project: Vifi
  - Client is an entrepreneur looking to build a content management system app for women's health
  - Collaborated remotely with 3 developers to build, test, and review code
  - Added feature to edit and send newsletter to those who signed up on the app
  - Built with React, Redux, Node.js, PostgreSQL, Nodemailer, SunEditor

January 2020 - September 2022

### **ioMosaic** - *Senior Safety and Risk Management Consultant*

- Created Flare System Design course material for Process Safety Learning platform
- Created training materials and hosted training sessions for new engineers
- Reviewed project deliverables for large, plant-wide project to ensure quality

January 2013 - January 2020

### **ioMosaic** - *Safety and Risk Management Consultant*

- Wrote in-house training guides for SuperChems and HYSYS software
- Facilitated plant-wide data collection onsite for revalidation project in the chemicals industry
- Performed complex reactive systems design and assisted junior engineer learning in this area
- Completed unit-wide flare system design for a client in petrochemical industry
- Led a two-person team to execute pressure relief system revalidation project on tight deadline and budget

June 2011 - January 2013

**ioMosaic** - *Safety and Risk Management Analyst*

- Gained familiarity of industry standards such as API, ASME, OSHA 1910
- Efficiently performed revalidations for current designs for pressure relief systems
- Gained proficiency with proprietary pressure relief design software
- Assisted in plant-wide pressure relief system redesign for a client in biodiesel industry

## **Education**

January 2023

**Prime Digital Academy** - *Full Stack Software Engineering Certification*

- Immersive full-time, full-stack software development program teaching modern technologies such as JavaScript, React, Node, and SQL.
- Completed weekly group projects in small teams as well as weekend challenges to demonstrate skills
- Additional training included professional skill practice, public speaking and presentation practice, and real work client work

December 2010

**University of Minnesota, Twin Cities** - *BS in Chemical Engineering, BS in Chemistry*

- Participated in undergraduate research to synthesize indole dimers for potential tuberculosis treatment

## **Volunteer Experience**

May 2012 - June 2016

**Minneapolis Off-Road Cycling Association (MOCA)** - *Volunteer, Dirt Boss*

- Built and maintained mountain biking trails weekly at Theodore Wirth Park with team of volunteers
- Guided new volunteers in trail maintenance technique on build days and yearly trail raking event