

BRUK ARGAW

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WORK EXPERIENCES

Software Engineer

Aug 2017 - May 2019

Indio Technologies

- Lead building and maintaining features that increase revenue, user engagement, and customer satisfaction.
- Build reusable components to maintain consistency of site.
- Participate in design and product review to shape UI and UX as well as the direction of the product.
- Identify pain points and create solutions to address issues and improve user experience.

Structural Design Consultant

Aug 2016 - Jan 2017

Rutherford & Chekene

- Delivered a contract winning optimized lateral system design, as part of the design for the new SFO terminal, which had an estimated project cost of \$500,000,000.
- Automated the creation of formatted KML overlay with embedded url and pre-populated data to enable dynamic surveying of over 2,500 buildings.

PORTFOLIOS

ForgetNot | (React/Redux, Rails5, Ruby, & JavaScript)

[Live](#) | [Github](#)

"To do list" app inspired by Remember the Milk

- Created a backend API, using Ruby on Rails, that allows the user to create, edit and delete tasks; while maintaining a fast and smooth user experience.
- Developed an elegant one-page webapp, by implementing modular React components, that allows users to intuitively interact with their tasks via links and modals.
- Implemented user authentication procedure, to increase the security of the user's data utilizing BCrypt gem.

Version-Control System | (Java)

[Github](#)

Terminal based program inspired by Git

- Created version-control system which mimics some of the features of the popular version-control system Git.
- Implemented serialization of the Git state to ensure program can be run and function seamlessly after exit and reentry using io.serialize.

Seismic risk management for the city of Palo Alto | (Matlab)

Formatted KML files used to survey seismic risk of structures in Palo Alto

- Automated the creation of formatted KML overlay with embedded url and pre-populated data to enable dynamic surveying of over 2,500 buildings.
- Engineers a schematic delegation of KML data to surveyors and engineers in order to eliminate collusion and maximize sample data inclusion.

EDUCATION

University of California Berkeley

Fall 2015

BS in Civil and Environmental Engineering

AppAcademy

Winter 2017

A rigorous 1000 hour web development course, with <5% acceptance rate

SKILLS

JavaScript

Typescript

React

Redux

HTML5

CSS3

Python

Ruby

Git

Languages

Ameharic

English