

# Torah Oglander

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## Software Projects

### Intervention Builder – Lead Full-Stack Developer

Allows medical researchers to build custom programs that send and receive calls and texts, collect data from patients, and create data visualizations.

- Maintained and improved Python transpiler that turns YAML designs into JS Twilio handlers
- Oversaw project from start to release candidate
- Server monitoring, maintenance, and data migration
- Prototyped and enhanced based on user feedback
- Trained medical researchers on how to use the tool
- Freed up hundreds of dev team hours

### Climate Go – Backend Developer

iOS game encourages players to make environmentally friendly choices

- Built Ruby on Rails API backend in one day
- Customized JSON responses to support iOS front-end
- Won NASA Space Apps Challenge 2017 hackathon

### YouthWorkHub.org – Sole Full-stack Developer

Single-page React app allows adults to post jobs for local youth and leave feedback after job is complete. Also allows young people to create worker accounts, and accept jobs

- Front-end in React/Redux backend in Rails
- Supports two different types of users
- Google Maps geocode and reverse-geocode

### Frontend Testing Suite – Frontend Engineer

Add Frontend testing to Epharmix React codebase

- Designed higher order API on lower-level Selenium
- Caught and eliminated slippery timezone bugs

### Fractalscope – Sole Developer [Vanilla JS]

Implements Mandlebrot algorithm in JS drawing striking images on Canvas

- Custom-built zoom and pan control for interactive UX
- Caches expensive calculation results

## Purpose

To leverage strong communication and analytic skills to complement my passion for high-quality, maintainable, efficient code, and join a talented, dynamic team building amazing software products that help people.

## Work Experience

### Epharmix – Software Developer

St.Louis, MO 2017-2018

- Spearheaded development of Intervention Builder research tool
- Built backwards-compatible front-end testing framework on Chrome Driver
- Re-wrote core frontend components using more maintainable React/flux architecture

### Asia University – Instructor

Taichung, Taiwan 2014-2016

- Focus: Linguistics, Phonology and writing
- Led campus-website review that resulted in improved UI and English

## Education

### App Academy - Algorithms, Data Structures & Web

San Francisco, CA 2016-2017

- Top-notch bootcamp with less than 5% acceptance rate
- Built hand-rolled ORM 'Active Record Lite'
- Implemented LRU Cache in Ruby

### Tamkang University M.Ed in Curriculum and Instruction

Taipei, Taiwan 2012-2014

- Independently developed ActionScript 3.0 video game that helps Mandarin learners practice hearing the tones
- 3.9 Cumulative GPA
- All course work in **Mandarin Chinese**  
(fluent speaker)

### Reed College - B.A. in Linguistics

Portland, Oregon 1996-2001

## Skills

**Expert:** Javascript, Node.js, React.js, Ruby, Ruby on Rails

**Proficient:** Git, Python, Redux, SQL, CSS/SCSS, Heroku, Mocha, Rspec, API Design