



SOPHIA  
LIU  
FRONTEND ENGINEER

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## HELLO

I'm a frontend engineer who loves to work with designers and other product people to create experiences that are delightful and accessible for everyone. I got my first taste for designing things for human consumption as a Teach for America corps member in Oakland, designing lesson materials for a diverse group of students.



## EXPERIENCE

- July '17 - Present  
FRONTEND ENGINEER  
Sheryl Sandberg & Dave Goldberg Foundation
  - Collaborate with designers and product managers to develop and fine-tune components for in-house modular design framework
  - Complete migration of web assets from Wordpress to in-house CMS
  - Led initiative to integrate user testing as a practice for prototyping and optimizing web designs
- Jan '17 - July '17  
FULLSTACK DEVELOPER  
Freelance
  - Collaborate with small businesses and individuals to translate their vision into landing pages.
  - Wireframing, coding, cross-browser compatibility, SEO, deployment
- Fall '14 - Summer '16  
TEACHER  
Teach for America / Envision Education
  - Advanced Placement Science instructor for 200+ 11th and 12 grade students
  - First teacher to have students at the school pass an Advanced Placement test
  - Designed and adapted targeted and culturally responsive lesson materials for diverse learners

## PERSONAL PROJECTS

- React, Redux, JavaScript  
OPEN (CHROME EXTENSION)  
Chrome Store | Github
  - Chrome extension that provides instant lookup of businesses' basic information
  - Integrates Yelp Fusion API with geolocation based searching to return information on nearby businesses.
  - Components dynamically render content depending on whether the business is open or closed
- JavaScript, PixiJS, photoshop  
SLEEP DEFENDER (JS GAME)  
Live | Github
  - JavaScript bullet evasion game inspired by Space Defender (classic space shooter game)
  - Uses PixiJS for optimized DOM manipulation and HowlerJS for attaching sound effects to game / keyboard events
- Ruby on Rails, React & Redux, SQL  
TRACKTIVE (PLAYLIST CREATOR)  
Live | Github
  - Full-stack, single-page playlist creation and storage app that emulates 8tracks
  - Combines Spotify API endpoints and JavaScript promises to dynamically build a shuffled playlist and corresponding playlist page.
  - Features back-end user authentication and account creation for saving playlists

## SKILLS

### DEV

ES6, ReactJS, Redux, HTML5, PostgreSQL, Sass, Git, Docker, Ruby, Ruby on Rails

### BEYOND CODE

User testing, Google Analytics, accessibility, wireframing

## EDUCATION

2016

APP ACADEMY

2010 - 2014

WELLESLEY COLLEGE

B.A. Environmental Science, 3.76 GPA