



## PROJECTS

---

### Gulp | [nkhem-gulp.herokuapp.com](https://nkhem-gulp.herokuapp.com)

4/2017

*A full-stack, Yelp-inspired web application for finding and reviewing drinks-related businesses in SF. Uses a Postgres database, Ruby on Rails, and JavaScript with React/Redux*

- Uses external APIs to seed the database with Yelp business data and to render business markers on a Google map that responds to events using vanilla JS
- Implements secure account creation and authentication through BCrypt and session tokens
- Allows users to create, edit, and delete reviews of businesses based on their login credentials

### Planarity Knot | [nkhem.com/planarity-knot](https://nkhem.com/planarity-knot)

5/2017

*An interactive mathematical brainteaser written in vanilla JavaScript, HTML, and CSS*

- Generates unique non-planar graphs of increasing difficulty at the beginning of each level
- Dynamically tracks and displays current points and lines based on mouse interaction
- Efficiently stores graph data at start of each level to allow players to reset graph to its initial state

### Whose Democracy | [whosedemocracy.herokuapp.com](https://whosedemocracy.herokuapp.com)

5/2017-present

*A single-page search engine for tracking congressional data using Ruby on Rails and React/Redux. A work-in-progress.*

- Asynchronously fetches congressional data from multiple external APIs
- Gives users the ability to "follow" legislators and bills of interest, which form the basis of a customized news feed for each user

## TECHNICAL SKILLS

---

JavaScript • React • Redux • Ruby • Rails • jQuery • SQL • Git • HTML • CSS

## EDUCATION

---

### Stanford University

6/2017-present

Summer Intensive in Computer Science

- Currently enrolled in Programming Abstractions in C++ and Client-Side Internet Technologies

### University of California at Berkeley

1/2011-5/2015

B.A. South Asian Languages and Literatures, minor in History, with high honors

- Chair's Book Prize, for submitting the top honors thesis in the department
- Departmental Collegiate Commencement Speaker

## EXPERIENCE

---

### Urdu Language Fellow

*Berkeley-AIPS Urdu Language Program – Lahore, Pakistan*

8/2016-12/2016

*American Institute of Indian Studies – Lucknow, India*

9/2015-4/2016

- Fully-funded merit-based awards to study Hindi and Urdu intensively in South Asia

### Intern

*Association for Advocacy and Legal Initiatives (AALI)*

9/2015-4/2016

Lucknow, India

- Conducted research on legislation affecting women in India and summarized research findings for lay audiences, primarily on the topics of forced marriage and violence against women
- Single-handedly overhauled AALI's entire website after taking initiative to learn HTML & CSS