

## PROJECTS

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

4/2017

*A single-page search engine for drinks-related businesses in SF with a Postgres database, Ruby on Rails on the backend, and JavaScript with React/Redux on the front*

- Updates React components in real time by changing incoming props via AJAX requests
- 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

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

5/2017

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

- Uses custom planar graph generation algorithm to randomly create and render non-planar graphs of increasing difficulty at the beginning of each level
- Dynamically tracks and displays current points and lines based on mouse movement
- Stores graph data at the beginning of each level to allow users to reset the graph to its initial state

## TECHNICAL SKILLS

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

## EDUCATION

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### Stanford University

6/2017-present

Summer Intensive in Computer Science

- Currently enrolled in Programming Abstractions 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

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### 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

### Skills and Workforce Development Summer Intern

6/2016 - 8/2016

*Policy and Advocacy Team, National Immigration Forum*

Washington, D.C.

- Tracked news and legislative developments related to skills and workforce development policies
- Drafted, proofread, and copy-edited news bulletins, outreach communications, letters to policymakers, blog posts, and other written products

### Intern

9/2015-4/2016

*Association for Advocacy and Legal Initiatives (AALI)*

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 self-train in HTML & CSS