

PROJECTS

Gulp | 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

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
- Temporarily stores graph data at the start of each level to allow players to reset graph to its initial state

TECHNICAL SKILLS

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

EDUCATION

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

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 learn HTML & CSS