Recruiting portals today are exclusively focused on job search and filtering. Roshi is a smart web application that uses Machine Learning to learn a student's preferences and accordingly recommend employment opportunities. Roshi uses a combination of revealed preferences and implicit choices to train an online ML algorithm and iteratively update recommendations.

Goals

- Create a job search portal that recommends positions to individuals.
- Focus on subconscious preferences rather than explicitly stated choices.
- Iteratively learn and update recommendations based on user feedback.
- Combine different machine learning algorithms to build an adaptive recommendation system.

Workflow

- User creates an account and fills out their basic profile (name, major, GPA, etc).
- Algorithm populates basic jobs based on user’s profile based on technicality of job and GPA ranges.
- User marks off jobs as “Interested” and flags the reason she found it interesting (location, technical level of job, keyword in job title).
- Algorithm re-populates the job list to suit the user’s interests.

Future Possibilities

- Use similar ML engine and user information to recommend users to recruiters.
- Provide ability to apply to jobs and get recruiters to use the app for filling positions.
- Expanding the platform to provide recruiter analytics for listed positions.
- Potentially integrate into existing job search platforms (for example, PennLink).