Grad Job Search Engine

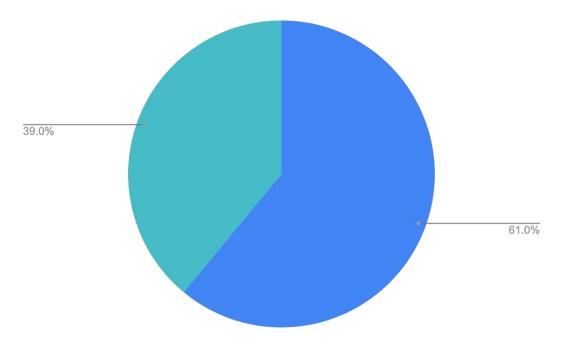
Maggie Long

Project Description

- Creating a specialized platform tailored for recent college graduates
- Focus on authentic entry-level opportunities suitable for a new workforce entrant

Problem

Mismatch in job market: 'Entry-level' often requires years of experience

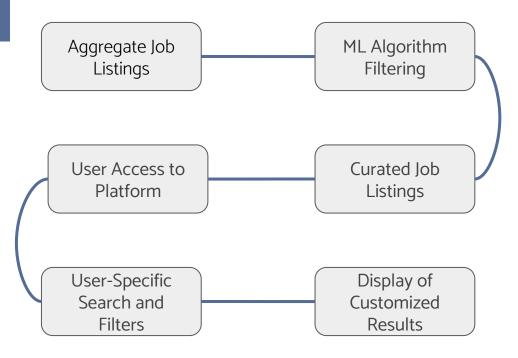


61% of 'entry-level' jobs require 3+ years of experience (TalentWorks)

Proposed Solution

A platform that filters job listings to only include those truly suitable for recent college graduates (O-3 years of experience).

Flowchart of the filtering process



Scope and Research Questions

- Audience: Recent and soon-to-be college graduates.
- Source Material: Diverse job listings via open-source APIs.
- Limitations: Data variation, dependency on external sources.
- Ethical Considerations: Data privacy, unbiased representation.
- Primary Research Questions: How to optimize ML for job categorization?
 What defines a 'true' entry-level job?
- Key Questions:
 - Optimizing ML for accurate job categorization.
 - Defining true entry-level job characteristics.
 - Enhancing user experience for graduates.
 - Integrating ML and NLP for experience-based filtering.

Deliverables

- Job Search Engine: Customized for graduates.
- Listing Aggregation: Updated, relevant job data.
- User System: Secure, intuitive registration and login.
- Filtering Mechanism: Using NLP for precision.
- Tech Collaboration: Development with GitLab.
- Cloud Hosting: Reliable, scalable platform.
- UI/UX Design: Professional, user-centered interface.
- Outreach: Effective marketing strategy.
- User-Centric Features: Personalized searches and filter

Project Elements

- Integration of advanced technology for robust backend development.
- Utilization of machine learning algorithms for accurate job listing filtering.
- Implementation of user-friendly design principles for an engaging front-end experience.

Tech

- Back-end built with Ruby on Rails, ensuring scalability and flexibility.
- Usage of PostgreSQL for efficient data management and storage.
- Exploration of cloud hosting solutions like Google Cloud or Azure for reliability.

Design

- Development of an intuitive and clean UI/UX design, focusing on user accessibility and ease of navigation.
- Application of design tools like Figma for creating interactive design prototypes.
- Consideration of user feedback for iterative design improvements.

logo Home Find Jobs My Jobs Saved Jobs Search Filters Reset All Search Results # results found Sort By job title e □ Most Recent A-Z Trending Full-Time) (Entry) (Remote Job Title Position company · location · Remote On-Site Hybrid Remote job title company Time 2023 Full-Time (Entry) (Remote Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. job title Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu company fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum. (Full-Time) (Entry) (Remote Salary iob title Apply Now company Full-Time Entry Remote

Lo-fi mockup:

Challenges

- Overcoming the challenges in data normalization from varied job listing sources.
- Ensuring the accuracy and efficiency of the ML algorithm in real-time job filtering.
- Balancing between comprehensive functionality and maintaining a user-friendly interface.

Conclusion

 In conclusion, the 'Graduate Job Search Engine' represents a significant advancement in assisting recent graduates in their job search journey. It addresses key challenges in the job market and leverages technology to create meaningful solutions

Questions?