The Muse

Cody Chapman

themuse

HOME COMPANIES JOBS RESOURCES CAREER ADVICE FOR EMPLOYERS

BY COMPANY NAME BY NEWEST LEVEL LOCATION TYPE

SAVE JOBS

CHOOSE A LEVEL RESET

- Internship
- Entry Level
- Mid Level
- Senior Level

CHOOSE A LOCATION RESET

- New York City Metro Area
- San Francisco, CA
- Boston, MA
- Washington DC Metro Area
- Chicago, IL

+ SEE MORE

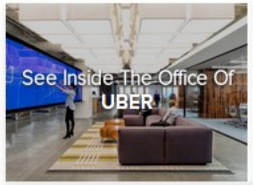
CHOOSE A TYPE RESET

- Business & Strategy
- Creative & Design
- Customer Service
- Editorial
- Education

+ SEE MORE

CHOOSE A COMPANY RESET

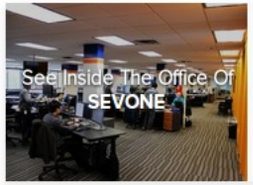
Select companies



New **Strategic Operations Manager** — Mid Level — Chicago, IL — Operations

Passionate about high-growth startups and have strong analytical skills? Are you a proven team player, strategic thinker, and executor? Do you live and... details

SAVE JOB SEE JOB

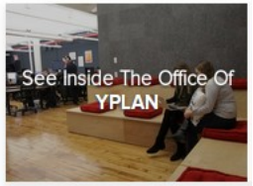


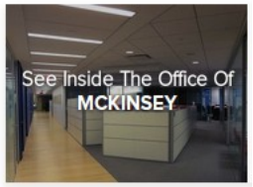
Sales Trainer — Mid Level, Senior Level — Philadelphia, PA, Wilmington, DE — Business & Strategy, HR & Recruiting, Marketing & PR, ... and 1 more

This position will oversee sales training of SevOne sales employees and partners/resellers. The role will deliver training, as well as coordinate training... details

SAVE JOB SEE JOB

Mobile Engineer - iOS — Entry Level — San Francisco, CA — Engineering





https://www.themuse.com/resources

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CHOOSE A CATEGORY RESET

- Resumes & Cover Letters
- Interviewing for a Job
- Productivity
- Networking
- Career Advancement
- Finding Your Passion

31 Inbox Hacks You Need to Know

This ultimate guide will turn your inbox into a refreshing, organized communication powerhouse.

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How to Negotiate Salary: 37 Tips You Need to Know

There's no excuse not to negotiate. And we're here to help, with a roundup of expert tips and...

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45 Things You Might Have on Your Resume (That Need to Be Removed)

For the best chances of landing that interview, grab your resume and make sure it's free and clear...

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31 Attention-Grabbing Cover Letter Examples

Need some inspiration and advice on how to stand out to a hiring manager? Look no further than these...

FAVORITE SEE RESOURCE

37 Little Ways to Be Happier at Work Today

Need new ways to rejuvenate and reinvigorate your happiness at work? Look no further.

FAVORITE SEE RESOURCE

How to Get a Job Using Social Media

Most employers are using social media to recruit now, which means it should be a part of your job...

FAVORITE SEE RESOURCE

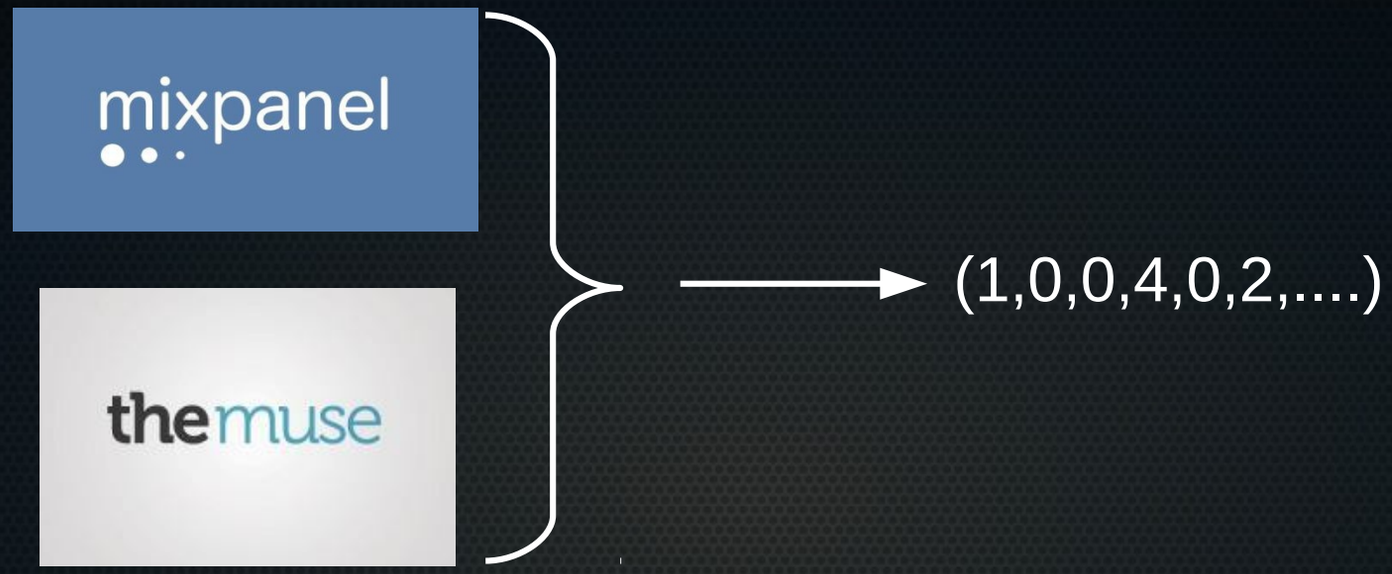
Brainstorm Your Way to Your Dream Job

The 11 Best Career Quizzes to Help You Find Your Dream Job

Problem: Design a lightweight, easily implementable recommendation algorithm for TheMuse.com.

- Registered users
- Non-registered users/guests

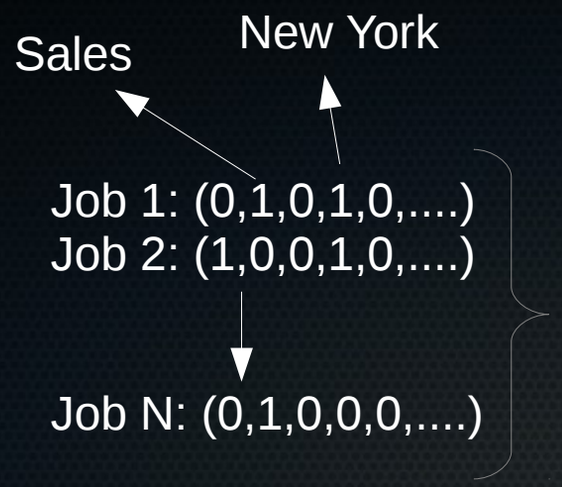
Solution



Solution

Features
- Location
- Industry
- Position Level
- Company Size

Solution



Features
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Solution

Features
- Location
- Industry
- Position Level
- Company Size

Job 1: (0,1,0,1,0,....)
Job 2: (1,0,0,1,0,....)

Job N: (0,1,0,0,0,....)

Solution

Features
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- Industry
- Position Level
- Company Size

Job 1: (0,1,0,1,0,....)
Job 2: (1,0,0,1,0,....)

Job N: (0,1,0,0,0,....)

User 1
(0,0,0,0,0,....)

Solution

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Job 1: (0,1,0,1,0,....)
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Job N: (0,1,0,0,0,....)

User 1
(0,0,0,0,0,....)

Job 2
(1,0,0,1,0,....)

Solution

Features
- Location
- Industry
- Position Level
- Company Size

Job 1: (0,1,0,1,0,....)
Job 2: (1,0,0,1,0,....)

Job N: (0,1,0,0,0,....)

User 1
(0,0,0,0,0,....)

Job 2
(1,0,0,1,0,....)

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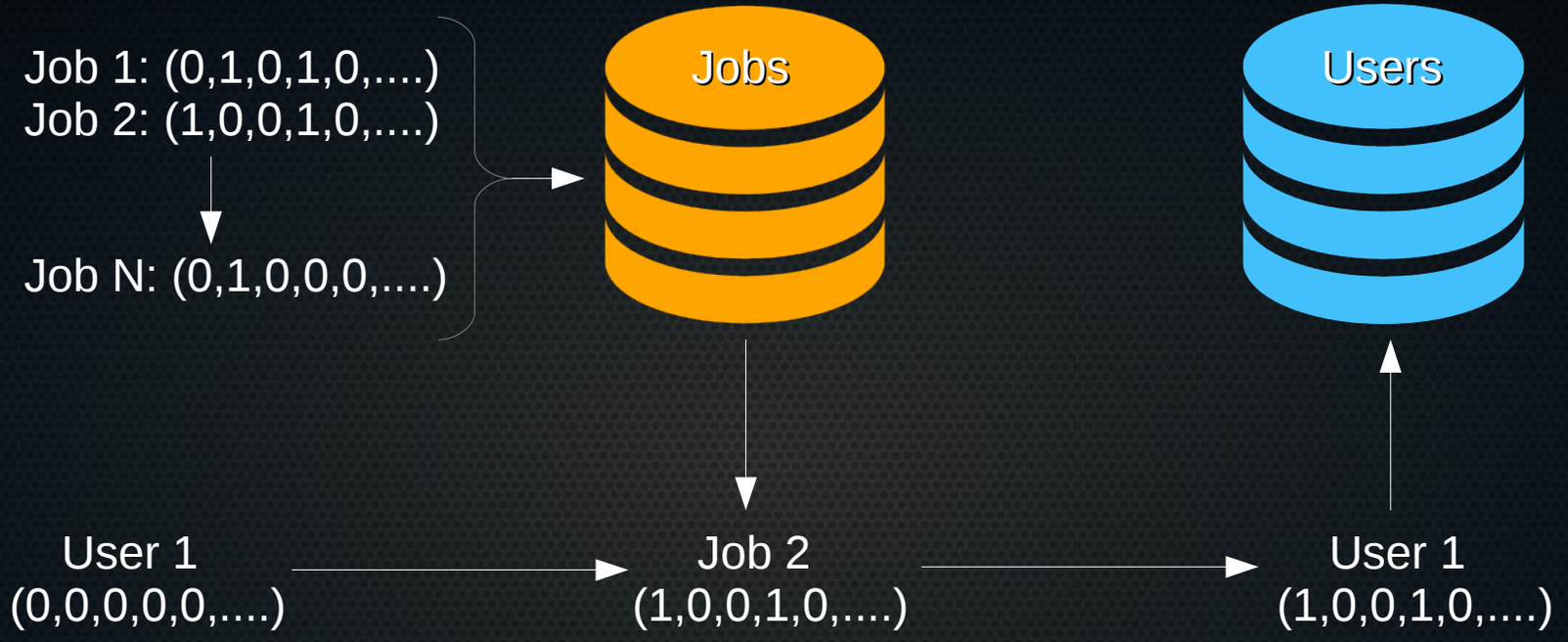

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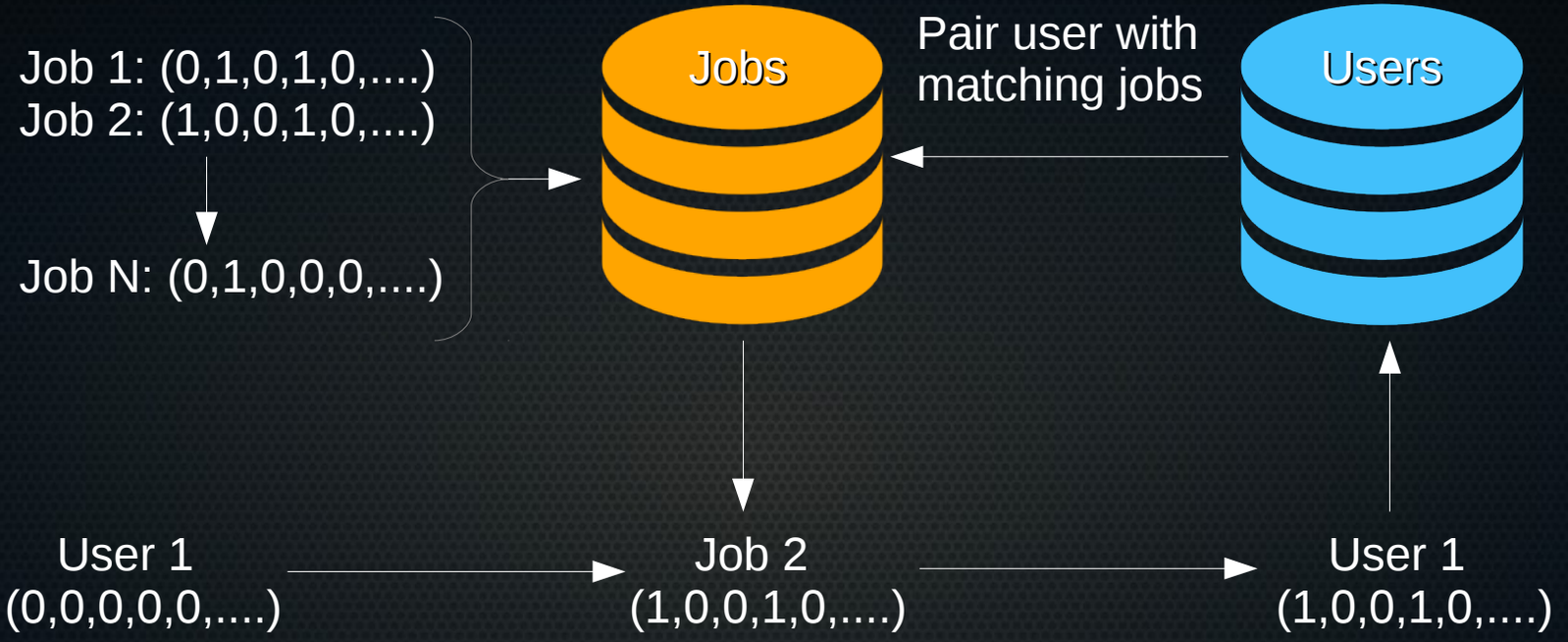

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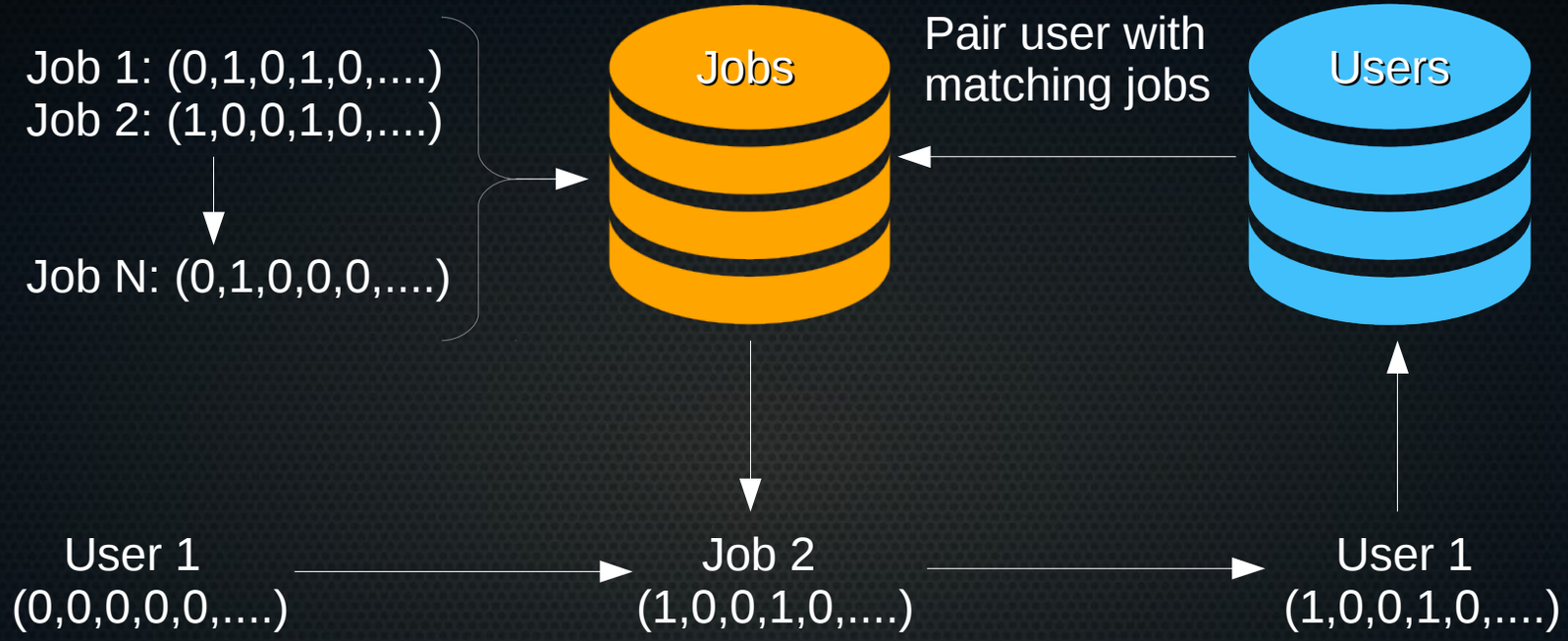


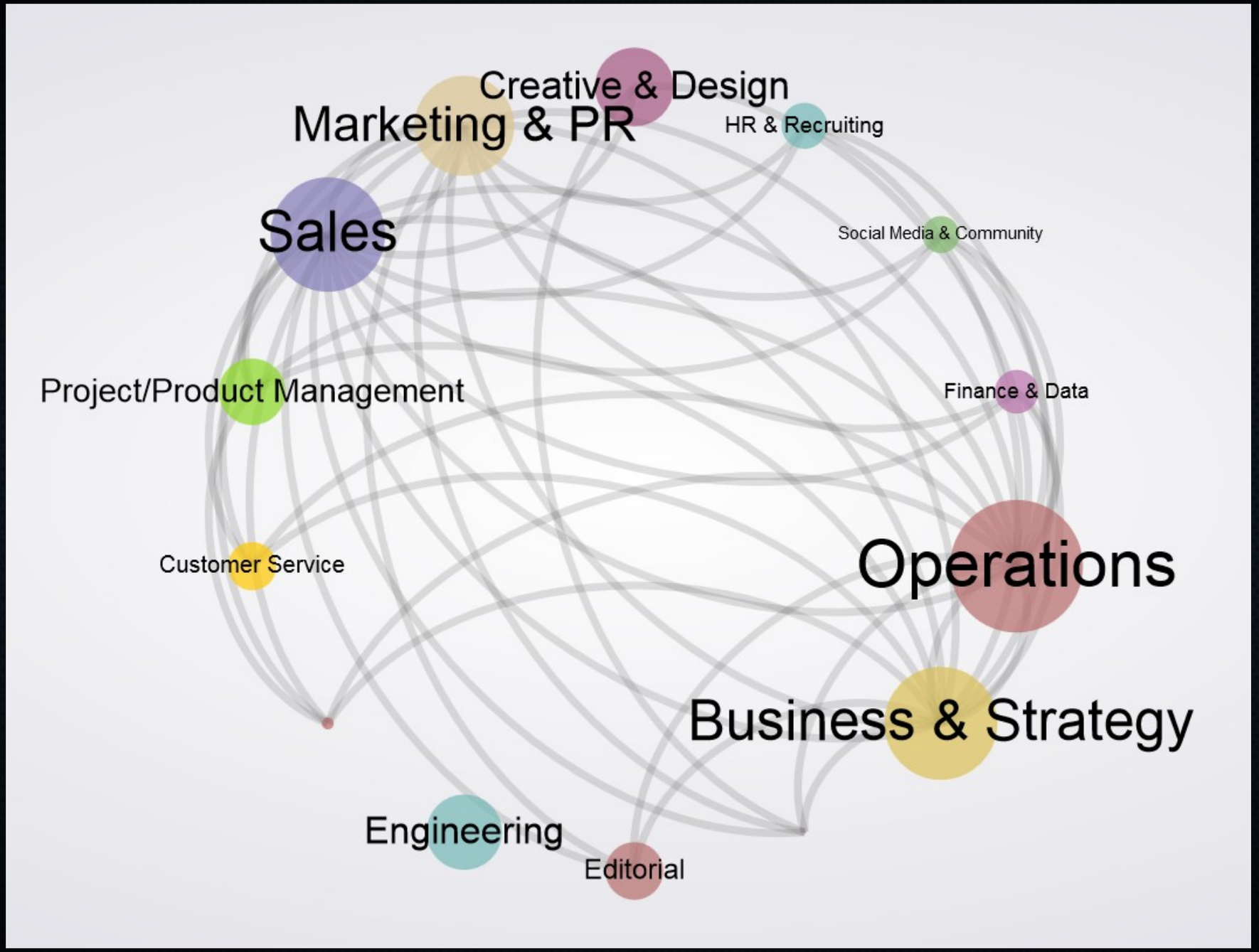
- Supplement unknown data with most likely case(s)
- Sort with cosine similarity

Ability to predict future job applications from one week's worth of withheld data

- Current method (creation date) ~ 24%

Ability to predict future job applications from one week's worth of withheld data

- Current method (creation date) ~ 24%
- **With algorithm ~ 55%**


Creative & Design
Marketing & PR
HR & Recruiting
Sales
Social Media & Community
Project/Product Management
Finance & Data
Customer Service
Operations
Business & Strategy
Engineering
Editorial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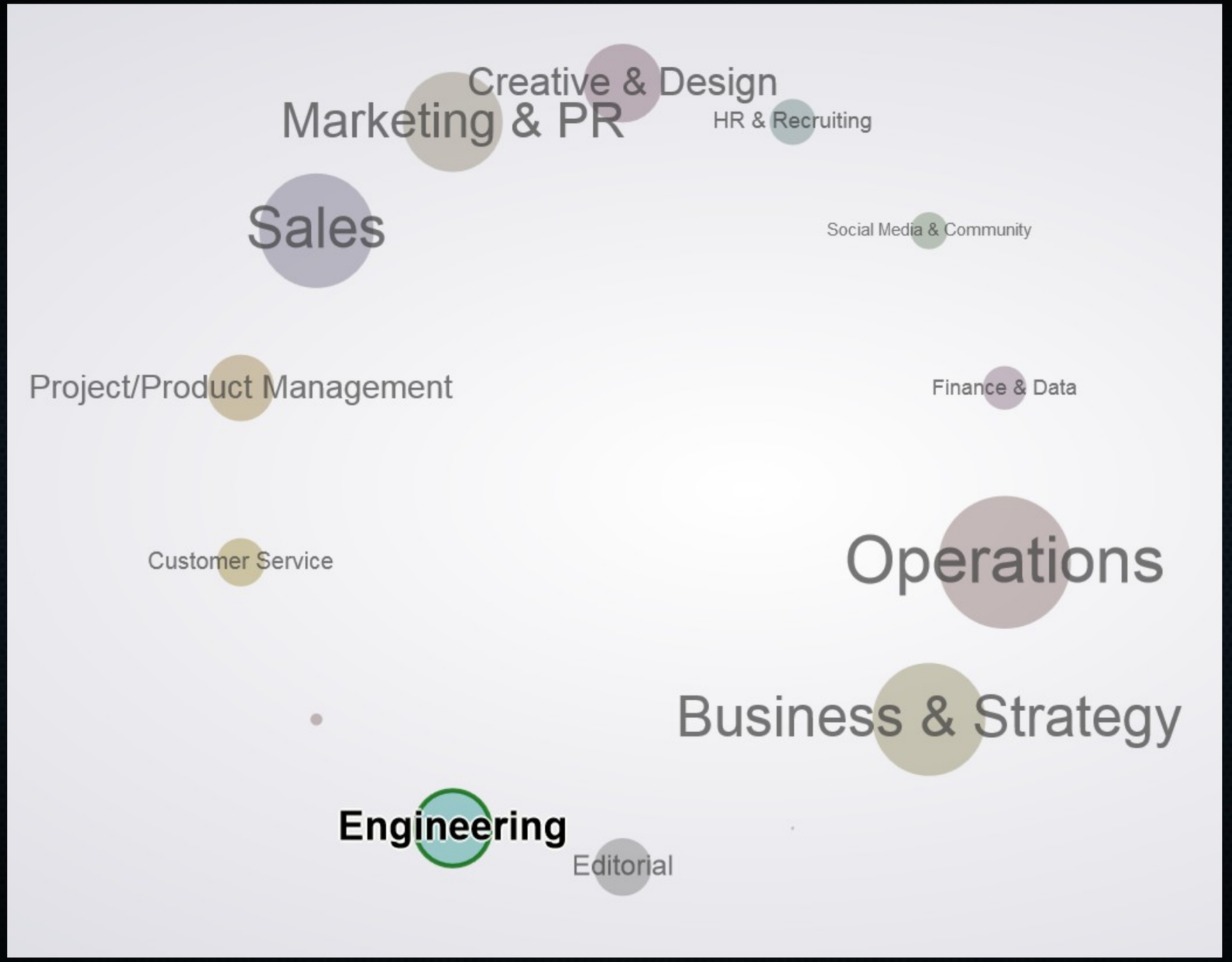
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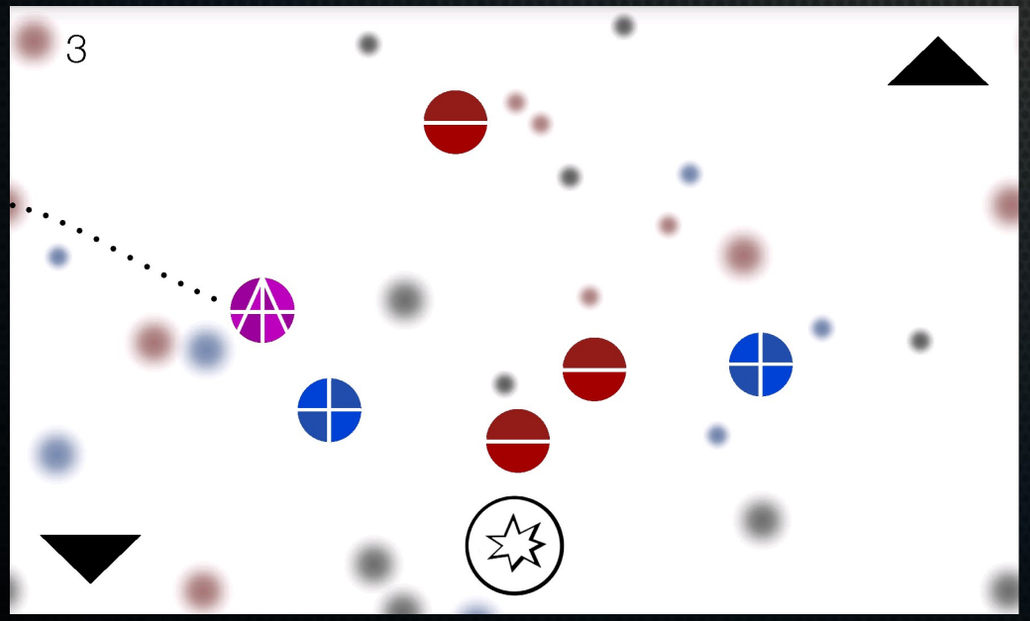

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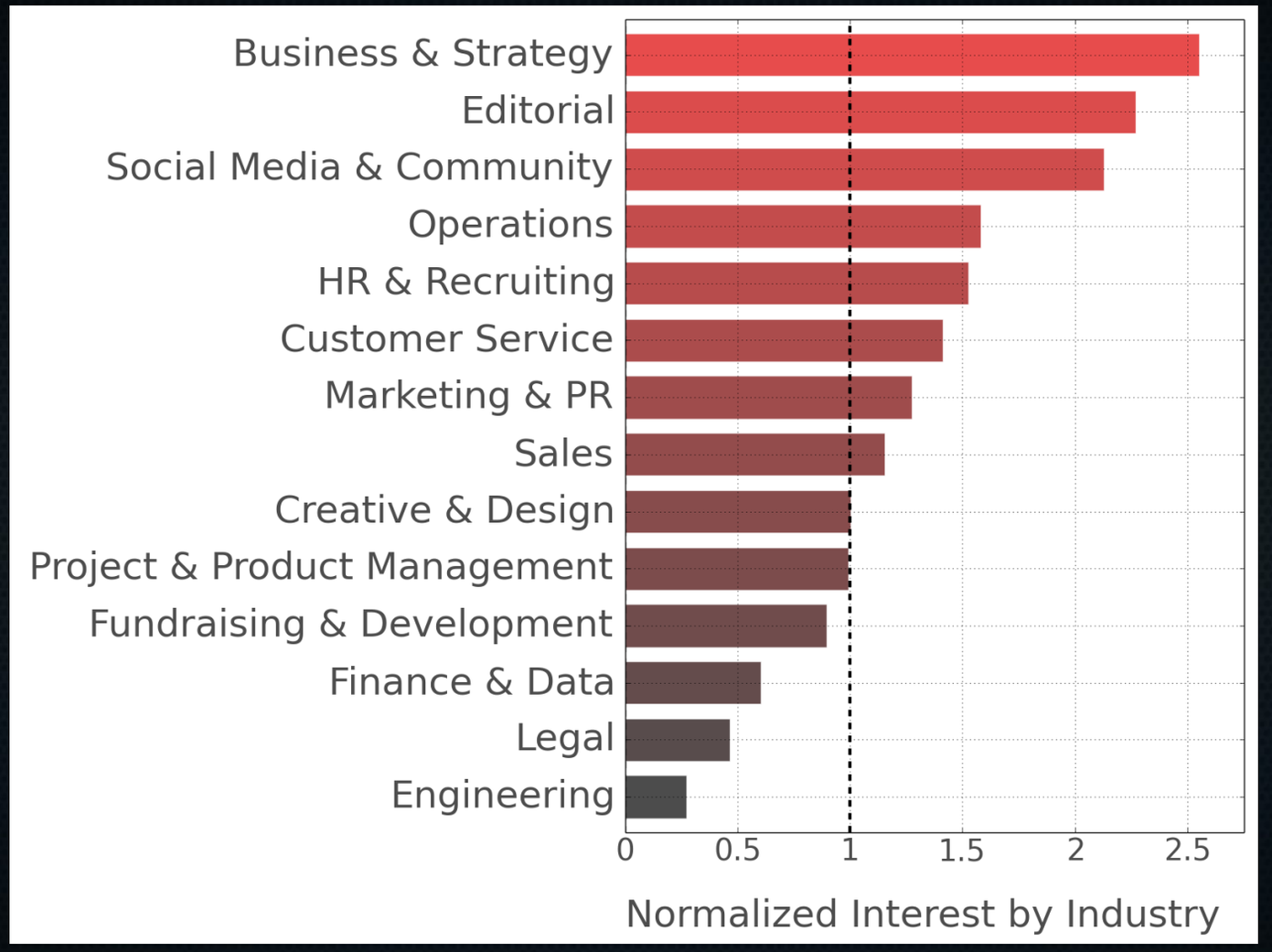
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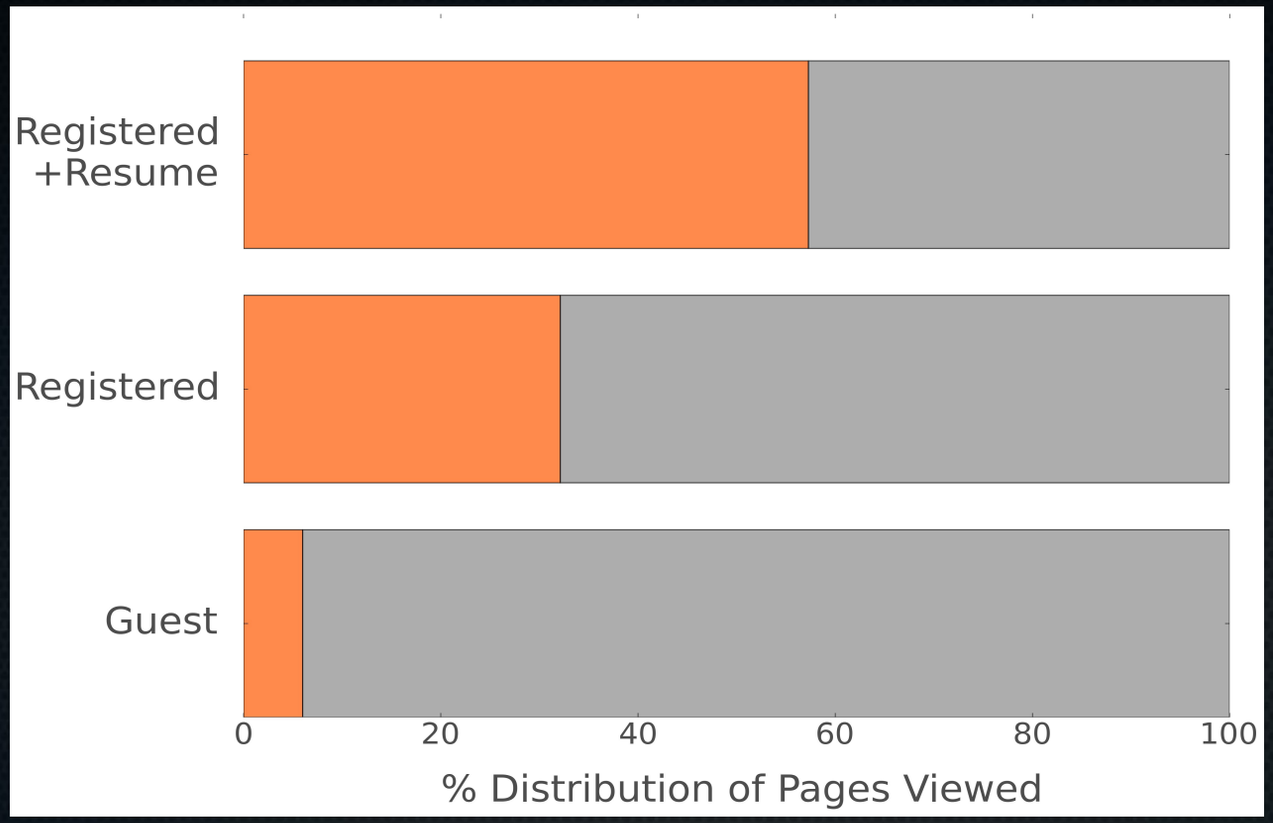
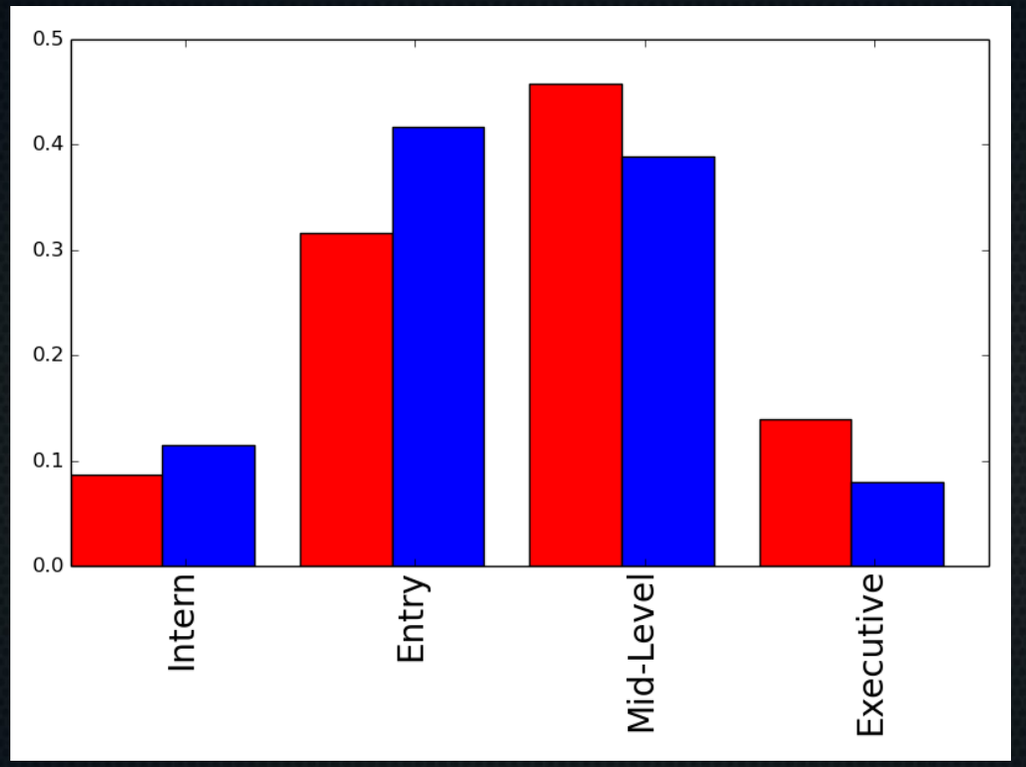
Customer Service
Marketing & PR
Sales
Creative & Design
Project & Product Management
Fundraising & Development
Finance & Data
Legal
Engineering
0
0.5
1
1.5
2
2.5
Normalized Interest by Industry



Users who provide a resume spend nearly twice as much of their time on the site viewing job related material than users who don't.


Normalized Positions
0.5
0.4
0.3
0.2
0.1
0.0
Intern
Entry
Mid-Level
Executive
Job Availability
User Interest