

METIS

Join our housewarming party here on Thursday 10/4 (<https://goo.gl/Z798nt>)

Mastering the Data Science Interview

Brendan Herger, <https://www.hergertarian.com/>
Slides: <https://goo.gl/DmGsJK>

IT WOULD START WITH FIVE MINUTES
OF PEELING LINT FROM DRYER TRAPS
FOLLOWED BY AN HOUR OF PRESSING
A LIGHTSABER HANDLE AGAINST
THINGS AND SWITCHING IT ON.
THEN I'D RETIRE TO A LIFE OF LUXURY.



WHEN PEOPLE ASK ME TO DESCRIBE MY DREAM
JOB, I'M NEVER SURE HOW REALISTIC TO BE.

Why

Process

Data science topics

Gaming the process

Final thoughts

Process

People

- First link
 - **Sourcer:** Working in bulk
 - **Referrer:** Your advocate
- **Recruiter:** Your advocate
- **Interviewers:** Limited time to evaluate you
- **Hiring Manager:** Stakeholder / decision maker

Steps

- **Begin relationship:** Refer / apply / source finds you
- **Non-technical screen:** Culture fit / minimum skill set on paper
- **Technical screen:** Minimum skill set
- **Take home / data challenge:** Usually requires 5-10 hours
- **Onsite:** Culture fit, able to add value, able to collaborate
- **Follow ups:** Salary, manager, timing
- **Offer:** \$

Artifacts

- Resume
- LinkedIn
- Data challenge submission
- Internal packet / scores

Phone -> Phone ->
Data Challenge -> On-site ->
Offer

Data science topics

Common questions

- **Data splits:** Train / test, cross validation, stratification, sampling concerns, etc
- **Regularization:** L1 & L2, dropout, data augmentation
- **Model validation:** Metrics, SLAs, use cause, audience

Common interviews

- **What would you do?:** Given a data set, describe your modeling workflow
- **Case study:** Given model outputs, make a presentation
- **Algorithm:** Let's write KNN!
- **Presentation:** Present a project you've done

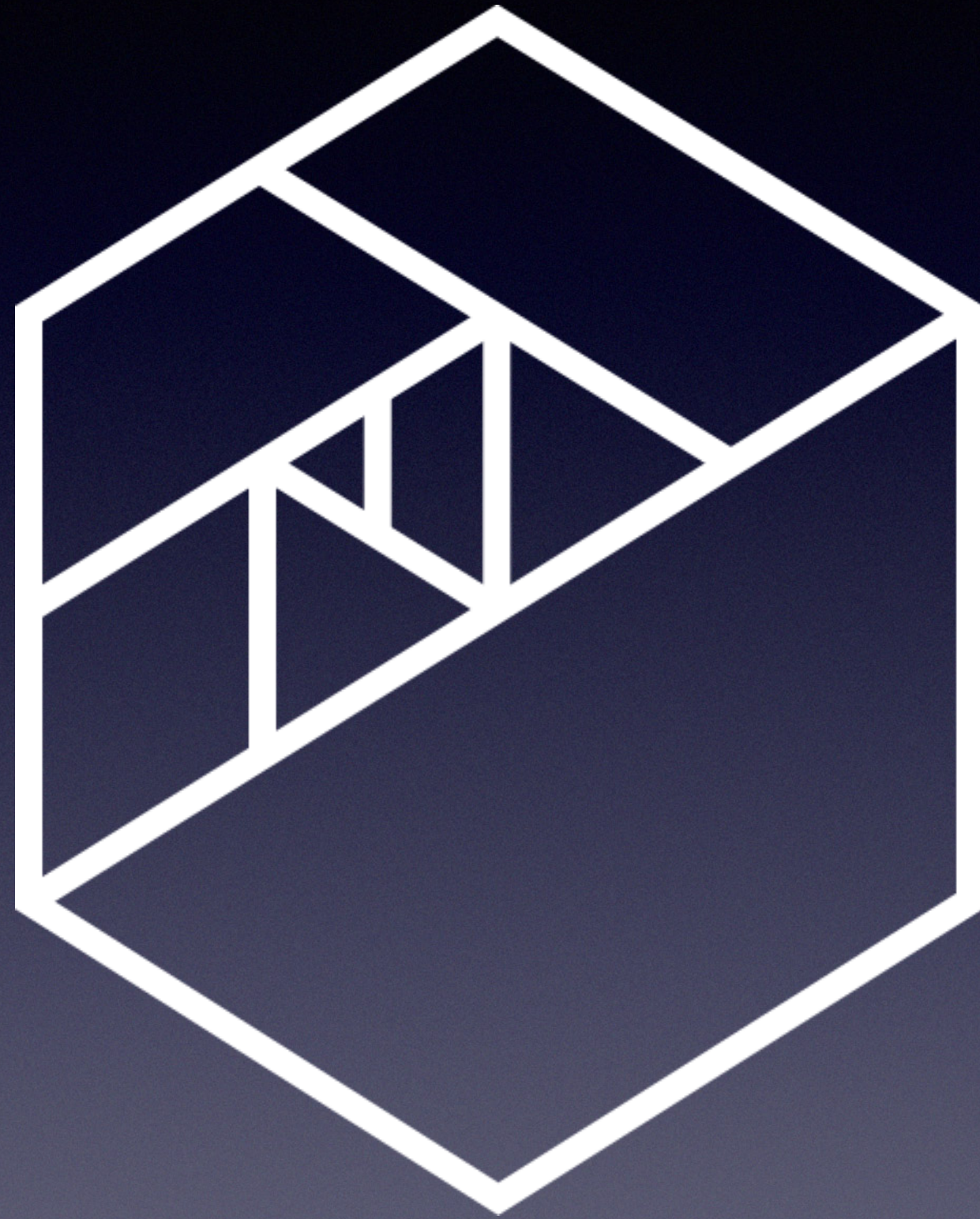
Gaming the process

CRACKING *the* CODING INTERVIEW

189 PROGRAMMING QUESTIONS & SOLUTIONS



GAYLE LAAKMANN MCDOWELL **6TH** EDITION
Author of Cracking the PM Interview and Cracking the Tech Career



METIS

Resume

- Optimize for each person (recruiter, interviewer, hiring manager)
- Optimize for 10 second read, 30 second read, 5 minute read
- Communicate your accomplishments clearly and succinctly
- Have someone look at your resume, and try to repeat is blind

LinkedIn

- See resume
- + Have a professional picture

Evaluation criteria

At all times, communicate:

- **Technical skills:** What can you bring to the table
- **Interpersonal skills:** Are you an enjoyable person to spend time with?
- **Collaborative skills:** Can you build things while working with other people?

Gotchas

- **Don't lie:** Unless you know that you won't get caught
- **Ego:** Some shops are looking for people with egos. Some people avoid the 'genius jerk' like the plague
- **Depth:** Understand that you will know some areas better than the interviewer (be humble), and that the interviewer will know many areas better than you (be interested and honest)
- **Passion:** Act like every job is your dream job. It might actually be.

Opportunities

- Work your network!
- Show passion for previous work
- Speak positively of everyone you've ever worked with
- Challenge the interviewer

LIFE SCORECARD

TIMES WHEN I THOUGHT...

"I'M NOT REALLY HAPPY HERE, BUT
MAYBE THIS IS THE BEST I CAN EXPECT
AND I'LL REGRET GIVING IT UP."

...IT TURNED OUT I...

SHOULD HAVE STAYED	SHOULD HAVE LEFT SOONER
//	### ### III

Thanks!

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