Your Technical Portfolio

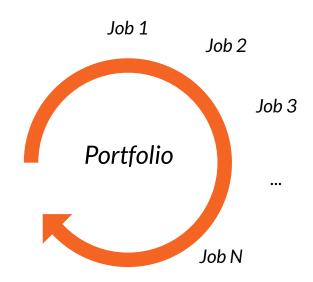
Suggestions from a sometime hiring manager ...

Starting the cycle ...

It's always easier to get your next technical job once you already have one.

This talk is all about what to do when:

- 1. You don't have official experience to fall back on ("I need my first job")
- 2. Your experience isn't quite matched to what you want ("I want a different job")
- You want to show what you can do and have fallbacks to discuss in interviews ("I can do this job!")





A Wee Story ...

I got my first job in data by rocking up to a start-up in Glasgow and saying 'I'm good, use me ...'

Confidence

My portfolio made me confident I could show what I knew!

Preparation

I knew that some things I had worked on could be adapted to the companies use cases if asked

Trust

The company then had trust in what I was saying ...

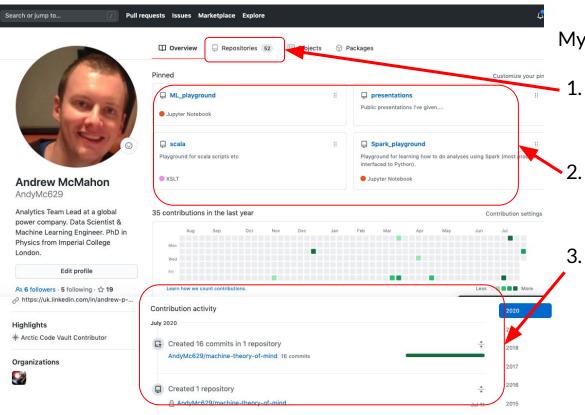
Should I only show finished work or stuff I I know inside out?

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No! Absolutely not ...

(Or you'd never have anything to show)

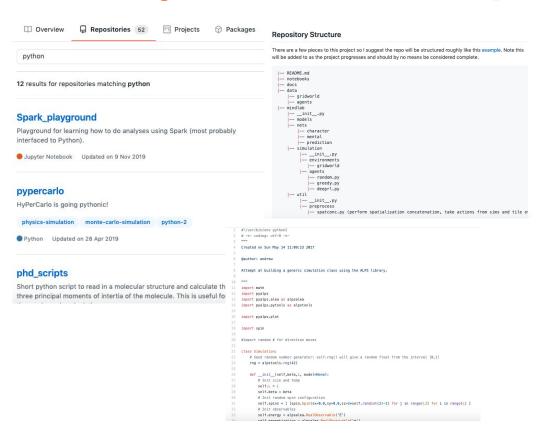
Andy's GitHub Deep Dive ...



My (hiring manager) checklist ...

- Has this person ever used GitHub in their life?
 - What have they pinned/what are they particularly proud of?
 - What have they worked on recently?

Andy's GitHub Deep Dive ...



My (hiring manager) checklist (cont) ...

- 4. Have they written anything in the language they told me they know?
- 5. How much have they written or just forked?
- 6. Do their projects tie in with their stated level of experience*

*for example if you say you are a world-class developer I expect to see excellent application structure, packaging, modularisation, advanced techniques... Otherwise, don't worry

Andy's GitHub Deep Dive ...

Your (interviewee) checklist ...

- Which project(s) can I talk about all day?
- 2. Which are relevant to my application and desired role?
- 3. What technologies have I used that I can discuss in depth?

machine-theory-of-mind

This repo contains the code and technical documentation for a project between a few people (see 'People') whose aim is to reproduce and add to the study in the Machine Theory of Mind paper from DeepMind.

Technologies

The DeepMind implementation doesn't mention specific technologies used, so I have made the following selection.

- Python
- Tensorflow
- Google Colab
- · OpenAl Gym (for at least simple agents and worlds)
- · DeepMind Al Safety GridWorlds

(subject to change as the project develops)

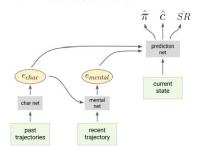
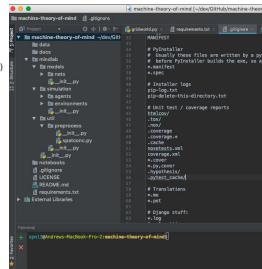


Figure 1. ToMnet architecture. The character net parses an agent's past trajectories from a set of POMIDPs to form a character embedding, echar. The mental state net parses the agent's trajectory on the current enjoyde, to form an embedding of its mental





Tips

Where should I start?

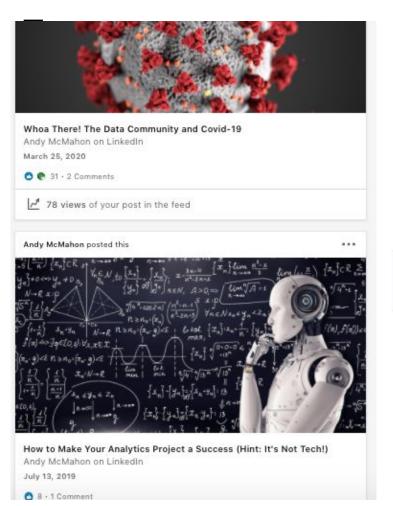
Start Small

We're all human and have commitments, you don't have to build an Enterprise data platform in your spare time ...

Even a small Python script that retrieves and plots some data is great

Get Excited!

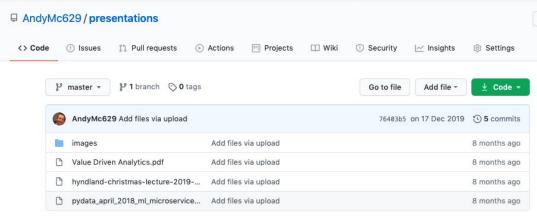
Do something that interests you, you'll be more likely to get somewhere and your passion will come across in an interview (always a bonus!)



What else?

Blog posts ...

Talks and presentations ... even the ones you haven't given yet!



Good Luck!

Your portfolio is only a small part of the story, at the end of the data **people hire people**

Things that sway me:

- Passion and excitement
- Hunger
- 'Can do' attitude
- Friendliness and kindness
- Optimism

