

# Interviewing. What's that?

Unity Training Academy 2018-2019, #1  
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## Caveat Emptor

- May or might not apply in other places
- Especially in different industries
- I might be talking complete nonsense too!

Yo dude, how did you get a job anyway?

- 2000, Java: friends I was doing gamedev with
- 2001, computer vision / gamedev: journalist who knew I was doing gamedev (from school)
- 2004, C#/databases/...: applied myself
- 2005, gamedev: friends I was doing gamedev with
- 2005, (failed) engine dev: website & techdemos
- 2006, Unity: website & techdemos
  - *Got kinda stuck here :)*

# Typical process

## Typical process

- Send in your CV/resume & letter
- At-home programming test
- Voice/video interview
- On-site interview
- ...
- Profit!

Typical process lately has been changing

- Some interview practices found not useful
  - e.g. whiteboard coding
- More attention to bias, discrimination, ...

# CV, Resume, Letter

- Short and to the point
  - Don't make it longer than 2 pages
- Europass CV → Recycle Bin
- Adapt to the company/position!



Most important things on CV

- Experience & projects
  - github, blog, technical social media, website, portfolio
- This mostly means “spare time / hobby”
  - Bias against people who don’t/can’t do this!
  - Some companies aware of this, some not

(not) the most important thing on CV

## ● University Experience

- Sorry, not worth much
- ...unless it's kick-arse Uni (don't exist here in LT)
- ...or applying for government / research job



Most important things on CV

- Actual hours spent learning stuff
  - “10000 hours” rule has some truth
  - Have to spend time to learn something
  - Given “just Uni assignments” and “I code stuff myself”, most companies would pick the latter
    - Unless they actively take resulting bias into account. Many don’t.

Portfolio: code

- Just make a github account, it's free
- Put your code there
- Do it now
- Just dowit



"I don't want to put my code online because..."

- "...because it's crap"

- *pssst*: all code is crap, so stop worrying!
- Less-than-ideal code online is miles better than no code
- Especially if applying for junior; it's *expected* that code's not great

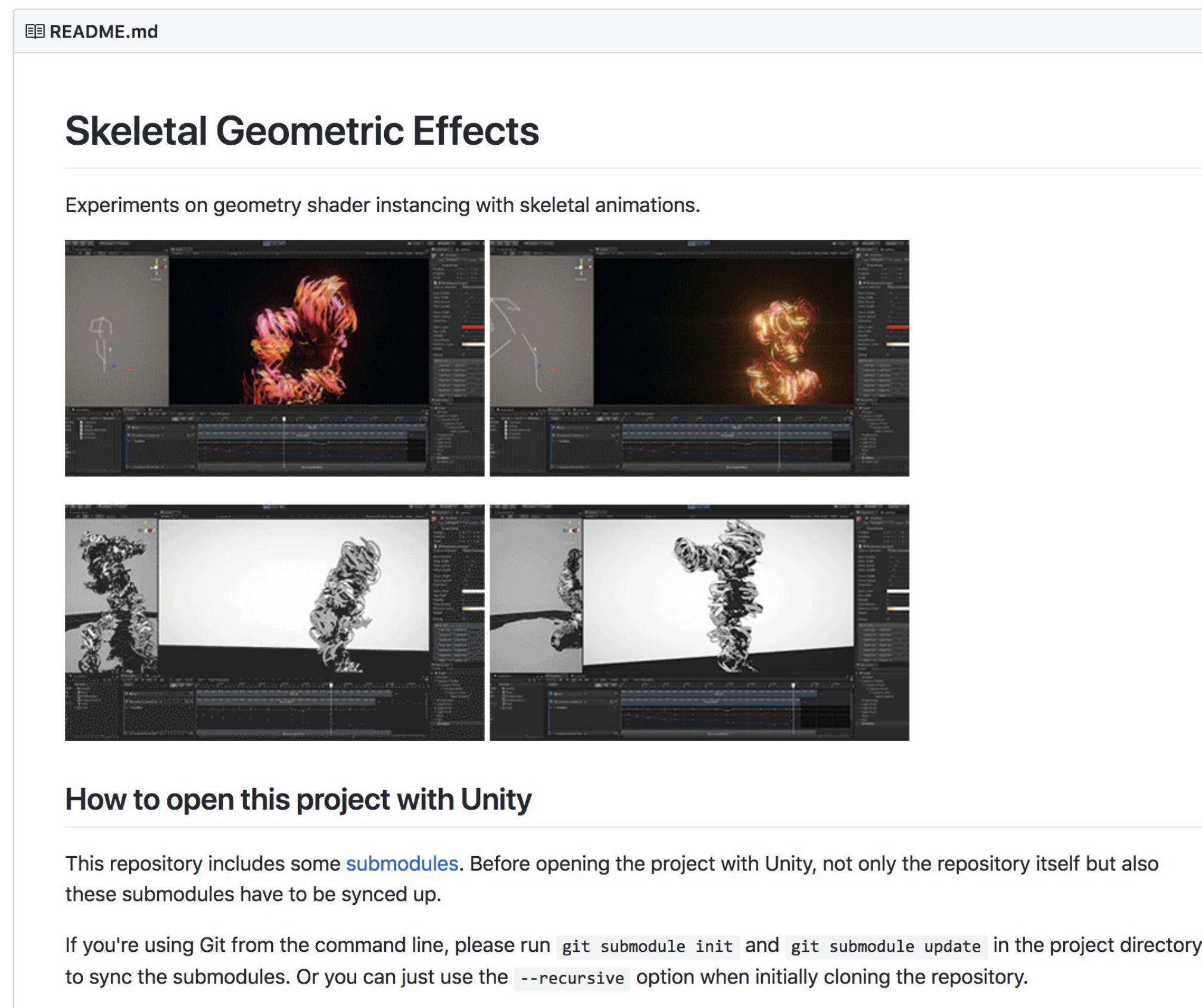
"I don't want to put my code online because..."

- "...because someone will steal/copy it"
  - Sorry, no one's gonna copy/steal your code
  - Most likely no one's gonna see it unless you point them to it
  - Sorry, your code is likely not that great either



## Portfolio: code

- If you have >3 projects online:
- Put nice descriptions / screenshots on “best” ones



Portfolio: blog / technical social media

- Make an account
  - wordpress / medium / tumblr / jekyll / hugo / twitter
- Write about your coding adventures
- Do that repeatedly
- Do that in English
  - No point in limiting your audience to the 7 LT people



Portfolio: blog / technical social media

- "but I don't have anything interesting to say"
  - *pssst*: people with 20 years experience feel the same
  - Your blog is not there to win a Turing award
  - Nor to convey excellent/useful information (yet)
  - It's there to show: interest, work put in, learning

- Here's start of *my* blog in 2002, with all mistakes:
  - In Lithuanian... took until 2005 to switch to English
  - Where I'm talking nonsense about raytracing, ha, ha, ha
  - All that stupidity didn't stop me for next 16 years

**2002 11 10**

Visgi įdomu, kodėl *ray-tracing* kai kurie žmonės laiko dievu? Kiek mano galva neša, jis tinkamas atspindžiams/refrakcijai (o ir tiems ne itin). Tu negali padaryt normalaus apšvietimo su raytraceriu. Negali *caustics*'ų padaryt. Negali padaryt švytėjimo. Na, ir taip toliau.

Taigi, kad raytraceriai yra riboti - faktas. Kad pakankamai lėti - irgi faktas. Man įdomu, kodėl raytracerių fanatai nenaudoja kito - riboto, bet greito - metodo - paprasto trikampių piešimo? Nežino? Nebando?

Portfolio: blog / technical social media

- Actually good blog example

- <https://megascopsdev.tumblr.com/>
- Daily adventures in coding up a small DX12 engine
  - Including all the “boring/trivial” bits
- Fun fact: author (Elizabeth) works at Unity now, on ECS fancy

# Programming Test



## Programming Test

- Could be questionnaire, could be a task
  - Depends on position too,
  - e.g. graphics programmers get math/geometry/algebra
- Time: couple hours to couple evenings
  - Again, introduces bias against people who can't afford this...
- Updates to your solution are often possible

- Things evaluated, often in this order:
  - Correctness,
  - Clarity (can code be read & understood?),
  - Good practices (tests, structure, ...)
  - Performance

- Things *also* evaluated:
  - “Show off” of tricks, over-engineering? (usually: don’t do that)
  - How do you manage time? (submit on last day, ...)
  - How do you communicate? (clarify vs guessing, ...)
  - Overly apologetic, or overly confident?
- Things not directly in your code *do* tell quite a lot about you!

- Do not copy-paste solutions from the internet
  - The interviewers are not stupid, they will notice
  - Often problems are subtly different from solutions on the net
    - Not only you copy-pasted, but also copy-pasted the wrong answer!



# Phone & On-site Interview

Often in two parts: Technical & Cultural

- Technical part fairly obvious
  - Less googling & more knowledge that you actually have
- Cultural part, mostly common sense
  - Show interest, be respectful, ...
  - Varies a lot by company/location/position too

## Tips

- Better to say “I don’t know” than trying to wing it.
  - ...this is not University :)
- Don’t go too negative on yourself
  - e.g. don’t start with “I’m probably talking nonsense here”
- Don’t be overly confident!
  - “Why don’t you *just*” → the “just” part often means “6 months of work”
  - “Simply *multithread* that” → threading is *never* simple
- A lot of Uni knowledge is not-that-useful
  - OOP, Design Patterns, UML, red-black trees, ...

## Onsite Interview!

- If you get there, company should pay all expenses
  - Travel, hotel, food etc.
  - Your expense is time. 1-3 days, which is quite a lot.
    - OTOH you get experience, see company, meet people
- Rules again are mostly common sense
- Like an extended version of previous ones
- More “feel” in how you interact, talk, discuss



What if you get rejected?

- It can lead to great things!
  - You got experience, learned something
  - Try elsewhere,
  - ...etc.
- I failed interview with AAA studio in 2005
  - One of best failures I ever did :)

Ask me 5 or more questions!