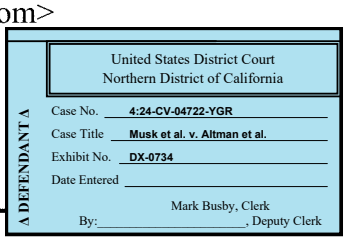
From: Greg Brockman <gdb@openai.com>
To: Elon Musk <erm@openai.com>
Cc: Ilya Sutskever <ilyasu@openai.com>, Sam Altman <shga@ycombinator.com>
Subject: biweekly update
Date: Mon, 8 Jan 2018 23:15:15 -0800
Importance: Normal



Ask: During AGI weekend, help close the funders listed below, and entice other attendees (e.g. Khosla, Milner — we've pitched Khosla and he's interested, haven't pitched Milner).

Fundraising

- Most advanced funding conversations below (* = attending AGI weekend):
  - Reid Hoffman (*): *committed* for $20M/yr (has wired first quarterly installment). Discussing a larger amount.
  - Nicolas Berggruen (*): considering $20M donation, will decide after AGI conference. ***Decision criteria:*** whether he wants to be involved in building AGI directly, rather than just policy through the institute.
  - Jaan Tallin (*): considering a $20M donation. ***Decision criteria:*** whether we're thinking about safety + strategy properly
  - Jed McCaleb (*): has 2B Ripple (right now worth $2.36 each) in a donor advised fund, considering committing up to half.
  - Greg Jensen: considering $10M a year for 3 years. Would have closed in 2017 but he got caught up in this: https://www.wsj.com/articles/bridgewater-paid-over-1-million-to-employee-pushed-out-after-relationship-with-dalios-right-hand-man-1510050781. Will need to decide if we still want him.
  - Gabe Newell: considering a $20M donation. Met him today, he said he's interested and going to think about it for a day. Asked to join an advisory board.
- Funding situation:
  - Current 2018 budget: $5M from Sam Altman, $10M from Open Philanthropy; $20M from Reid, O($100M) donated compute from GCP
  - Lower bound goal: total $50M in 2018 cash by end of January, $100M in 2018 cash by end of Q1

Organizational:

- Research manager, David Luan, started. Currently working on recruiting and internal processes.
- Greg and Ilya working on clearing up organizational debt

Technical

Robotics:

- Progress on visual state estimation:
  - Current results: https://www.youtube.com/watch?time_continue=1&v=tApjFG1rcy8
  - Train by automatically generating realistic input images from simulated images using CycleGAN
    - https://drive.google.com/open?id=1RsDyW3SLhtWojWRH1T2eyWG3Gzqc1Jmv
    - https://drive.google.com/open?id=1G2vvGHIxAhb9c7ytYrRvfGEUrHJ_gwdz
- Automatically adjusting the randomization parameters of the simulation to reduce the difficulty of the learning problem
  - https://drive.google.com/file/d/1ke8Zhyy79FGaGZCu6QsyzfbQT3sRMTCL/view?usp=sharing
- Will have video by end of weekend

Dota:

- On track to reproducing our 1v1 Shadow Fiend results this week. (TrueSkill of the running experiment: https://www.dropbox.com/s/mb8epelr6mxn646/Screenshot%202018-01-08%2011.38.15.png?dl=0.)
- As a reminder, our goal is to reproduce Shadow Fiend 1v1 results by Jan 31, and superhuman with any of 10 heroes by end of Feb

Games:

- Public contest for rapid learning of previously-unseen games to be released in early Feb. Goal is to recruit unknown talent, PR within community

Other:

- Progress on Montezuma's Revenge via curiosity-based exploration: https://drive.google.com/file/d/1ghxf9e2ObPzh4pi2qXMqO_ewWoGPZuTI/view?usp=sharing (expect to push this to beat DeepMind's best results soon, and has a 50% chance of completely solving)