

mitchellfaas

contact

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(preferred)
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languages

Dutch - fluent
English - fluent

programming

♥ Python
C#, L^AT_EX

driver's licence

B (car) - Netherlands

education

- current **BSc.** in Mathematics Utrecht University
- 2019 **Startup Validation program** Utrecht Inc.
For the Startup mentioned in the projects below my team and I applied for – and got accepted to – the Startup Validation program of UtrechtInc. This is a 16 week program which includes bi-weekly workshops, bi-weekly personal coaching sessions and several pitches. UtrechtInc is amongst the top-10 university linked incubators in the world.

projects

- 2020 **Sci-Scope (ongoing)**
Sci-Scope is a startup we started with 3 co-founders, which seeks to reduce stress on starting researchers and provide new tools for quantifying the softer aspects of research, such as valorisation and education. Through customer discovery we identified key problems this group is facing; and are currently working with researchers and university officials to find the right product/market fit.
- 2020 **BSPy** <https://github.com/Mitchell-Faas/BSPy>
A pure python library which implements the BSP (Bulk Synchronous Parallel) model for high efficiency parallel computing and algorithmic design. This library ended up being the subject of my thesis and has been tested on parallel versions of a prime sieve, the N-Queens problem, and Graph Matching through Karp-Sipser.
- 2020 **Home Server**
This project has consisted of roadmapping future storage expansions and revamping the old solution to allow for easy upgradeability. This included learning to work with vmware and FreeNAS, culminating in a FreeNAS vm which has direct access to data drives and is currently running a private cloud.
- 2019 **Video scraper** <https://github.com/Mitchell-Faas/SkillcappedScraper>
This is the result of reverse-engineering the website of a media producer. Using a JSON file I found on the website in question containing the titles, uuids, categories and group information of each video; this script tracks down, downloads, and sorts all the video files to build a complete and organised library.
- 2017 **Automatic encoder** closed source
A python interface that makes use of several APIs to fetch meta-data of video-files such as films or TV series and encode these video files using ffmpeg before exporting to a server.

experience

No relevant work experience

interests

professional Entrepreneurship, Automation, AI, Optimization, Negotiation, Education.
personal Piano, Tea, Go, Kung-fu, Rock-climbing, Gaming.
current focus Algorithms and Communication Skills.