

jappieklooster@hotmail.com
+316 44237437

Jappie Klooster
jappieklooster.nl

Kerkdijk 2, Ansen, Drenthe
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Passionate programmer with an eye for quality and interests in AI.

Jappie Klooster enjoys building things, things to be proud of, things that can have impact. Currently his

'working holiday' in Australia just completed, he is hoping to find a company for which he can add lots of value, learn about his passion, and help change the world!

Experience

Daisee software engineer

April 2018 - now

Daisee is an AI for business startup, Jappie was one of the principal engineers who worked on productionizing the flagship product LISA. This involved creating a webserver, transcription of audio through a third party services, tracking jobs in a distributed queue within database and doing python IPC.

- Create enterprise product from ground up in Haskell
- Use reproducible deployments with nix and nixops.
- Help shape the engineering culture.

OpenLearning full stack software engineer

September 2017 - February 2018

Openlearning is a startup education technology company that offers online courses. It differentiates itself by providing courses which consist of quizzes, videos and interactive 'widgets'. As a full stack developer I touched all parts of the rather large code base, which was mostly written in python and JavaScript.

- Work with a large and varied code base including a fair bit of technical debt.
- First paid work experience.
- Usage of advanced cloud technologies.

Internship and graduation internship in China for Teewoo

September 2014 - June 2015

Both internships were about making android apps. The first one was for a carpool match up app and the second was about finding taxis for an existing taxi company.

- Learn to work with cultural differences.
- Learn to work with Android
- Learn to work with badly documented proprietary API's.

Mini internship webtech for Iceberg Webshop hands

November 2013 - January 2014

This mini internship of 10 weeks was aimed on the development of a web / mobile application as a part of the webtech minor. The application was a prototype front end that could allow food producers to sell their products directly to large consumers (such as restaurants and hotels).

- Learn to deal with difficult clients.
- Learn to use Grails (and underlying tech such as hibernate and spring).
- Cross platform development (mobile, web and server).

Various web applications

2008-2015

In this period I created several website and or maintained them. Of which, [webshop solexmarkt.nl](#)¹, information websites [de2dekamer.nl](#) and [dehuiskamer.com](#)¹, and a private web-based cookbook. Doing these projects is how I learned programming even before starting my bachelor's degree.

- A thorough understanding of web related technologies.
- An experience of the other side of programming (sales, customer relations)
- Experience of self produced "legacy code", you learn a lot in 7 years.

Education

Utrecht University

2015-2017

MSc AI, with agents as main track: Intelligent agents, Multi agents systems, Multi agent learning, Philosophy of AI, and optional courses on: Evolutionary computing, Geometric algorithms, Games & Agents and Data mining.

Windesheim, Zwolle

2010 - 2015

Bachelor Software Engineering, Minors: Game development, Web development, and the internships. Several group assignments were made to practice with working conditions as part of this education. Some are available.

¹Current design not by me

Skills

Good at Python, JavaScript, Java, Git, Linux/Unix, SQL

Worked with Kubernetes, React/Redux, Scala, Rust, Haskell, C, C++, Elm, Lisp, Bash, \LaTeX , Prolog, PHP, Drools

Projects

Raster.click

Raster is a simple rostering system for flexible working hours. I came up with this idea to help my father making the rosters more quickly for his business. This is the latest iteration of the idea, the first version I wrote when I was sixteen. I intend on using AI techniques for automated rostering.

offertex

A python program that which reads a latex file and substitutes variables within it. Then it presents these variables in a CLI, however on the variables constraints can be lain such as a regex or even an option menu. It also support for calculating the price of an offer since activities can be predefined.

distrowatch1graph1svg

A project that screen scrapes distrowatch and then uses gnuclad to create an SVG image from it. Traditionally gnuclad used handmade CSV file for that but I automated it somewhat by scraping distrowatch.

Gaia chatbot

The result of my thesis where Jungian Personality was added to a chatbot. Aside from doing that I did various technical improvements which I discuss in the related [blog post](#). One if which is making the drools rule engine the center and let those rule manage the conversation, which makes the program very easily extendable.

Good Qualities

- Curious
- Likes to experiment
- Efficient
- Level headed
- Appreciates humor

Pitfalls

- Sometimes to creative
- Very focused

Hobbies

Programming, random projects, traveling, scuba diving and running.

Extra space

```
1 module Main where -- haskell boilerplate
2
3 data C = R Int Char | S Char | N | E Int -- a little command langauge (note there isn't that much extra space)
4
5 eval :: C -> String -- makes the commands do something
6 eval N = ['\n']
7 eval (S char) = [char]
8 eval (R amount char) = replicate amount char
9 eval (E amount) = eval (R amount ' ')
10
11 flat :: [C] -> String -- flat a list of commands into a string
12 flat list = foldr (\current last -> ((eval current) ++ last)) "" list
13
14 main :: IO ()
15 main = putStrLn (flat [ -- entry point, I wonder what this will return?
16     N, N, E 10, S '0', E 5, S '0', N, N, E 8, R 12 '-', N,
17     E 9, S '-', E 8, S '-', N,
18     E 10, S '-', E 6, S '-', N,
19     E 11, R 6 '-', N])
```