



San Gillis

March 20, 1990
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<https://www.github.com/sgillis>

Experience

TruQu

Software engineer • Jan 2016 - Now

TruQu offers an online tool for organizations to collect feedback on a regular basis. Worked on the single page web application written in Elm and on the API written in Erlang.

Mooltipass

Freelance software engineer • July 2015 - Nov 2015

Mooltipass is a simple offline password keeper. Worked on the Chrome app responsible for the communication between the Mooltipass device and the Mooltipass Chrome extension.

Mobile Vikings

Software engineer • August 2013 - December 2015

Set up VoIP stack with high availability infrastructure using Docker and CoreOS. Implemented real time billing and call detail record storage systems.

Designed Mobile Vikings API which is used by the Viking App (>100.000 users) and handles third party integration (Uber, Zalando)

University of Antwerp

PhD student • August 2012 - July 2013

Simulation of superconducting systems on HPC infrastructure. I extended existing simulation software to simulate more general classes of superconductors. Wrote tool to automatically classify new superconducting states using image recognition.

Computational linguistics & psycholinguistics research center

Freelance software engineer • 2011 - Now

Statistical analysis of infant speech formants

Built survey tool used for rating audio uttered by infants.

Projects

| | |
|--------------|--|
| hidenticon | CLI tool to generate GitHub-like identicons |
| elm-dictset | An Elm library for creating sets of any type |
| elm-mustache | An Elm library for mustache templates |
| Presti | Single page application for rating audio stimuli |
| Prestapi | API used in conjunction with Presti |
| Bristle | Mustache templating library in Haskell |
| GiphyBot | Telegram bot that talks using GIFs |
| Telegram | Telegram Bot API client for Haskell |
| Hiphy | Giphy API client for Haskell |
| Hamyr | Prototype Yesod implementation of a points webservice. |
| Connect four | Neural network that plays connect four |

Tech stack Elm, Haskell, Erlang, Elixir, PureScript, Docker, Amazon AWS, MySQL, Postgres, Python, JavaScript, C

Education

University of Leuven
Master in Theoretical Physics - Magna Cum Laude • 2012
Master thesis:
Holographic free energy of finite temperature conformal field theory with defects

University of Hasselt
Bachelor in Physics - Magna Cum Laude • 2010

Conferences & meetups

Papers we love Amsterdam: Propositions as types • July 24, 2017 • Amsterdam
Papers we love Amsterdam: Classic Nintendo games are (computationally) hard • April 26, 2017 • Amsterdam
FP AMS: Cloud Haskell at Chordify • March 21, 2017 • Amsterdam
Elm Amsterdam: Real-life Elm • November 30, 2016 • Amsterdam
FP AMS: An Introduction to Idris by Edwin Brady • October 31, 2016 • Amsterdam
FP AMS: Program derivation and Conversational Computing • April 19, 2016 • Amsterdam
FP AMS: CRDTs Demystified and PureScript • January 12, 2016 • Amsterdam
Haskell eXchange (speaker) • October 8-9, 2015 • London
LambdaCube 3D • June 20, 2015 • Amsterdam
Amazon AWSome Day • March 26, 2015 • Amsterdam
Django Under the Hood • November 14-15, 2014 • Amsterdam
Disrupt Europe Hackathon • October 18-19, 2014 • London
Makerland • March 17-19, 2014 • Warsaw

Publications

Hide, O., Verhoeven, J., Gillis, S., De Maeyer, S., & Gillis, S. (2011, July 19-23). Vowel acoustics of hearing impairment: A comparison between typically developing, hearing-assisted and cochlear implant speech. Paper presented at the 12th International Conference for the Study of Child Language, Montreal.

Gillis, S., Jäykkä, J., Miloševic, M. (2013, August 22). Vortex states in mesoscopic three-band superconductors. Physical Review B. ([arxiv](#))

Verhoeven, J., Hide, O., De Maeyer, S., Gillis, S., & Gillis, S. (2015, October 28). Hearing impairment and vowel production. A comparison between typically developing, hearing-aided and cochlear implanted Dutch children. Journal of Communication Disorders 59, 24-39.