👤 CAREER PROFILE

A data scientist with a versatile background and a strong interest in social and behavioural sciences, finance, artificial intelligence and social good. Experience with project management, data dashboards, consultancy, machine learning and academic writing.

💼 EXPERIENCES

Research intern
Jun 2018 - Aug 2018
Cortical.io, Vienna

Investigated the application of Cortical.io's core technologies to finance & investing. Focused on:

- Gaining an in-depth understanding of Cortical.io's core technology and its application to large, textual datasets.
- Develop methods to process, store and query news articles using Cortical.io's semantic folding technology
- Use these methods to develop a prototype for visualizing and downloading historical and live data representing the nature and quantity of news relevant to user-selected stocks, commodities and portfolios.
- Serving as liaision between the research team led by Prof. David Stolin and Cortical.

Data Analyst
Mar 2015 - Feb 2017
Leiden University Center for Innovation, The Hague

Data analyst at the Leiden Center for Innovation, Online Learning Lab (OLL). The OLL facilitates the development of Massive Open Online Courses (MOOCs) at Leiden University. I was responsible for retrieving, storing and analysing MOOC data with the aim of improving courses and providing feedback to content creators & academics. Co-published several academic articles with researchers and published open-source tools for analysing MOOC data."

Assistant Strategic Analyst (Internship Program)
Sep 2014 - Feb 2015
The Hague Centre for Strategic Studies, The Hague

The HCSS helps governments, non-governmental organisations and the private sector to anticipate the challenges of the future with practical policy solutions and advice. While at the HCSS, I worked on several projects in areas of Big Data, security studies, and international development. Further set up an event-monitoring server that scraped and processed roughly 20.000-50.000 news articles each day, and created a package in R to analyze assertive behaviour among 'great powers' such as Russia, the United States and China.

📑 PROJECTS

Phonorm - Phonetic text normalization using Recurrent Neural

Jasper Ginn
Data Scientist / Student

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EDUCATION

MSc, Methodology & Statistics
Utrecht University
2018 - present

BSc, Liberal Arts & Sciences
Leiden University
2011 - 2014

PROFESSIONAL DEVELOPMENT

Deep Learning Specialization
Coursera (deeplearning.ai)
August 2018 - Present

UT.5.05x: LAFF: Linear Algebra - Foundations to Frontiers
edX (University of Texas)
May 2018

DAT201x: Querying with Transact-SQL
edX (Microsoft)
Apr. 2017

Machine Learning
Coursera (Stanford University)
Nov. 2016

Machine Learning With Big Data
Coursera (UC San Diego)
Jun. 2016

Introduction to Big Data Analytics
Coursera (UC San Diego)

Networks.

qualtRics (deprecated) - Toolkit to retrieve Qualtrics surveys using the API.

FinTxt - Back-end and front-end infrastructure for analyzing the stock price impact of news articles

sfutils - R toolkit to work with Cortical's semantic folding technology.

📄 PUBLICATIONS

Evaluating retrieval practice in a MOOC: how writing and reading summaries of videos affects student learning.
van der Zee, Tim, et al.
Proceedings of the 8th International Conference on Learning Analytics and Knowledge. ACM, 2018.

qualtRics: retrieve survey data using the Qualtrics API
Ginn, Jasper
Journal of Open Source Software, 3(24), 690, https://doi.org/10.21105/joss.00690 (2018)

Learning about Learning at Scale: Methodological Challenges and Recommendations
Van der Sluis, Frans, Tim Van der Zee, and Jasper Ginn
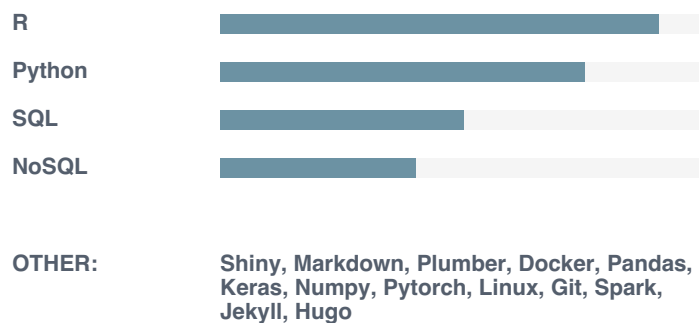In Proceedings of the Fourth (2017) ACM Conference on Learning@ Scale. ACM, 2017.

Explaining Student Behavior at Scale: The influence of video complexity on student dwelling time
Van der Sluis, F., Ginn, J., & Van der Zee, T.
In Proceedings of the Third (2016) ACM Conference on Learning@ Scale (pp. 51-60). ACM. 2016

🔧 SKILLS & PROFICIENCY

R	
Python	
SQL	
NoSQL	

OTHER: **Shiny, Markdown, Plumber, Docker, Pandas, Keras, Numpy, Pytorch, Linux, Git, Spark, Jekyll, Hugo**

Apr. 2016

Hadoop Platform and Application Framework
Coursera (UC San Diego)
Nov. 2015

LANGUAGES

English (Native)

Dutch (Native)

German (Elementary)