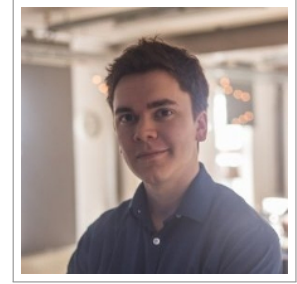


# Tim Kreutz

## *Curriculum Vitae*



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## Education

### **PhD in Linguistics, *University of Antwerp.* 2017–2021 (expected)**

I am part of the Computational Linguistics group of CLiPS ([www.uantwerpen.com/clips](http://www.uantwerpen.com/clips)), where I work on the NWS Data project. This interdisciplinary research effort examines the dynamics of news, politics and the public, in a world where the internet and social networking sites make up more of our everyday lives.

### **Master of Science - Information Science, University of Groningen, 8.3. 2015–2017**

### **Honours Bachelor, *University of Groningen, 8.0.* 2013–2015**

The Honours College is open to students who excel in their regular programs. It offers workshops that help to develop students' debating, writing and collaborating qualities and aims to further deepen and broaden the knowledge offered by their regular studies.

### **Bachelor of Arts - Information Science, *University of Groningen, 8.0.* 2012–2015**

The BA Information Science combines basics of communication, computer science and linguistics. There is a heavy focus on using big textual data for a range of purposes including contextual similarity extraction for words, trend detection, and information retrieval.

- Graduated Cum Laude
- With official recommendation from dean Prof. dr. E. Sterken

### **Bachelor of Science - Sociology, *Erasmus University, Rotterdam, 7.0.* 2009–2014**

The Bsc Sociology at the Erasmus University is heavily focused on sociological theory and qualitative research methods. However, for my graduation project I took a semi-quantitative approach in analyzing similarity between discussions on illness and posts extracted from the NoFap subreddit: [www.reddit.com/r/nofap](http://www.reddit.com/r/nofap).

### **VWO - Economy and Society, *Christelijk Lyceum Delft,* 2002–2009**

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## Publications

### *Research paper*

**title:** *Catching Events in the Twitter Stream*

**authors:** T. J. (Tim) Kreutz, M. (Malvina) Nissim

**description:** A group of bachelor students in information science at the University of Groningen applied off-the-shelf tools to the detection of events on Twitter, focusing on Dutch. Systems were built in four socially relevant areas: sports, emergencies, local life, and news

**title:** *GronUP: Groningen User Profiling*

**authors:** M. (Mart) Busger Op Vollenbroek, T. (Talvany) Carlotto, T.J. (Tim) Kreutz, M. (Maria) Medvedeva, C. (Chris) Pool, J. (Johannes) Bjerva, H. (Hessel) Haagsma and M. (Malvina) Nissim

**description:** A report on the CLEF 2016 Author Profiling shared task.

### *Theses*

**title:** Master thesis: *Using the Inherent Structure of Court Cases and the Law to better Classify Case Transcriptions*

**supervisors:** prof. dr. G. J. M. (Gertjan) van Noord

**description:** Recent trends that promote open availability of public sector information have resulted in new data sources for natural language processing research. The Dutch court system has embraced the trend and with it the Open Data format for publicizing anonymized court cases. This thesis aims to automatically classify a collection of more than 10,000 court transcriptions to determine which of the 72 possible laws apply to each. The multi-label classification task is approached by looking at which existing techniques in Natural Language Processing and Machine Learning can provide the best outcome, and by examining the characteristics specific to court cases as a data source and the law as subject matter.

**title:** Bachelor thesis: *Detecting News Event Commentary*

**supervisors:** prof. dr. J. (Johan) Bos, M. (Malvina) Nissim

**description:** Access to vast amounts of unstructured digital data can shed new lights on existing problems. Combining traditional news media with social media can lead to more rapid news updates. Looking at Twitter specifically, tweets about news events reflect the public opinion. Techniques are reviewed for detecting relevant commentary on Twitter for a given news article. To deal with the size of the data, a bimodular approach is proposed. This approach is demonstrated on the NieuwsTweets website which selects relevant tweets for news articles in real-time.

## Experience

### *Vocational*

**Developer, Belsimpel.**

**2016 - 2017 (13 months)**

After my internship on Data Science & Analytics at Groningen's largest webshop, I stayed on with its development team. Specifically, I built the recommendation system for up- and cross-selling during the purchasing process. I was also generally involved with the quality of the website's back end.

**Teaching Assistant, University of Groningen. 2013–2016**

I was a TA for all Python programming courses in the first year curriculum of Information Science in Groningen. There are four courses: Introduction to Programming I, Introduction to Programming II, Advanced Programming and Project Text Analysis. Teaching these courses for three years continuously gave me thorough understanding of programming paradigms and software architecture.

**Miscellaneous**

**Commissioner External Affairs, Study Association ASCI, Groningen. 2014–2015 (12 months)**

As a Commissioner External Affairs of the 2014-2015 board, I was responsible for the communication with organizations outside of the University. The main focus was getting in contact with interesting companies and people to give lectures, workshops and demonstrations, organizing study related activities and acquire funds for the association.

**Lead Developer, Gemeente Leiderdorp. 2014 (4 months)**

In a project to engage citizens with Leiderdorp, I designed and developed a SIMCITY-like game for the Android operating system.

**Student member, Begeleidings- en Aanstellingscommissie (BAC). 2014 (1 month)**

I was a student member of a committee to determine the suitability of candidates for the position of University Lecturer.

**Languages**

**Dutch:** Native proficiency

**English:** Full professional proficiency. C2 level.

**German:** Limited working proficiency. B1 level.

**Computer skills**

**Advanced documents:** LaTeX

**Statistics:** SPSS, R

**Programming:** Python, C#

**Web development:** PHP, Javascript, Jekyll, Django

**Webdesign:** HTML, CSS

**Interests**

**Game design:** I published four games built in Game Maker. I still plan to learn Unity and publish strategy games as a hobby.

**Guitar:** Off and on for 9 years now.

**Baseball:** Both watching and playing.