# MYRTHE REUVER

**ReMA student Computational Linguistics and MSc student Cognitive Science & AI**

@ myrthe.reuver [at] gmail [.] com    in linkedin.com/in/myrthe-reuver    🐦 @rehtrym

## RESEARCH EXPERIENCE

### ReMA/MSc Graduation Research: NLP on HAP (emergency GP) text

**Topicus Healthcare**

📅 December 2019 – present    📍 Deventer

- working on two theses in medical NLP

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

### Research Internship "Classifying Urban Legends"

**Meertens Institute, Amsterdam**

📅 February 2019 – July 2019    📍 Amsterdam

- Supervision: prof. dr. Theo Meder & prof. dr. Antal van den Bosch. Grade: 9 out of 10.
- Results: a popular science article in *Neerlandistiek*, a simple interface demo for the model, a conference presentation at the DHBenelux conference in Liège (September 2019), and a poster presentation at CLIN30 (Computational Linguistics in the Netherlands) in January 2020.

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

### "ICT with Industry" research week

**Lorentz Centre and NWO**

📅 January 2019    📍 Leiden

- Developing a prototype for the National Library (Koninklijke Bibliotheek, KB) in a team. Results: a demo prototype, a report, and an NWO Science vlog about my experiences

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

### Honours MA program: "Thinking Machines"

**Radboud Honours Academy & REshape Innovation**

📅 Sept 2017 - June 2018    📍 Nijmegen

- **Certificate**: Interdisciplinary Honours Program: 1-year Honours think tank programme on prototyping an AI for people with type 2 Diabetes

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

### Honours BA program: Text Mining Project

**Radboud Honours Academy**

📅 Sept 2015 - June 2017    📍 Nijmegen

- **Certificate**: a 2-year Honours research project under the supervision of experienced scholars. My project: Text Mining research in R on the 10th century Old English author Ælfric.

## EDUCATION

### MSc. Cognitive Science & Artificial Intelligence

**Tilburg University**

📅 February 2019 – current    📍 Tilburg

Completed courses (selection): ▭▭▭▭▭ 70%
- Machine Learning
- Deep Learning
- Data Mining for Business and Government
- Advanced Data Processing with Python

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

### Research MA Linguistics, track: Language & Speech Technology

**Radboud University**

📅 September 2017 – current    📍 Nijmegen

- Internship: Classifying Urban Legends at Meertens Institute (Grade: 9 out of 10)
- Member of Curriculum Committee; editor-in-chief student journal RU:ts; Honours MA program; teaching assistant

Completed Courses (selection): ▭▭▭▭▭ 65%
- Text and Multimedia Mining
- Introduction to Natural Language Processing
- Advanced Statistics in R

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

### BA English Language & Culture, cum laude

**Radboud University**

📅 Sept 2014 – June 2017    📍 Nijmegen

Completed. GPA: 8.6 / 10
- Specialisation: Linguistics & research, minor: statistics
- Text Mining Summerschool Aarhus University, Denmark; Honours research project; student research assistant
- Thesis: regression model of word length effects on Middle English Verb Second, grade: 8/10

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

### Bachelor of Journalism, propedeuse (first-year diploma)

**Christelijke Hogeschool Ede (CHE)**

📅 Sept 2012 – August 2013    📍 Ede

Completed.
- presenter at radio station "Radio Almelo"

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

### HAVO, cum laude

**'t Nijrees, Almelo**

📅 Sept 2007 – July 2012    📍 Almelo

Completed.

# TEACHING

## Teaching Assistant B1 course "Information Science"

**prof. dr. Martha Larson**

📅 April 2018 – current    📍 Radboud University, Nijmegen

A first-year bachelor's course about the basics of (digital) information science, data, privacy, algorithms and machine translation, with a focus on intelligent information tools (ITTs) such as spellcheckers and automatic translators.

Tasks include:

- Lecturing segments of lectures, for instance about machine translation and ML evaluation.
- Helping design the curriculum and assignments.
- Holding office hours for students
- Also preparing and grading the exercises, assignments, and exams.

# PRESENTING & PUBLISHING

## Founder & Editor-in-Chief

**Foundation RU:ts Student Linguistics Journal**

📅 September 2018 – current    📍 Nijmegen

- Together with fellow master's students Iris Faber / Sander Nederveen, started a journal where students are authors, editors, and peer reviewers.
- set up a foundation, with as goal to spread high-quality student research and to get students acquainted with the academic publishing process.

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

## Publications (*P means peer reviewed*)

- Burton, Anthony et al. (September 2019) "Streams of the Deep Web: Rebel Media, YouTube, and the algorithmic shaping of media ecosystems". Digital Methods Initiative Wiki, University of Amsterdam. link to article
- Brandsen, Alex et al. (2019) Brinkeys Tool and Research Report. KB Lab: The Hague, the Netherlands. https://lab.kb.nl/tool/brinkeys-tool
- Reuver, Myrthe. (October 2019) Hoe een computer broodjeaapverhalen leert categoriseren. *Vertelcultuur, Online Journal.* link to article

# SKILLS

- **Machine Learning**
- **Text Mining**
- **Writing**
- **Statistics in R**
- **Natural Language Processing**
- **LaTeX**

# LANGUAGES

- **Python**, proficient: including sklearn & pandas
- **R**, proficient
- **Java**, familiar
- **html & css**, familiar

- **Dutch**, mothertongue
- (**Academic) English**, C2 (near-Native)
- **German**, B2 (decent)
- **Latin**, B1 (basic)

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

## Summer & Winter Schools

- **"Trolls, bots and dictators" (July 2019)**.
  MA Summerschool from the Digital Methods Initiative, University of Amsterdam (UvA).
  Research project: Natural Language Processing on YouTube video transcripts
- **LoT (Landelijke Onderzoeksschool Taalwetenschap) (June 2018)**, University of Groningen
  Completed courses:
  "Introduction to nonlinear regression modeling",
  "Language, Computation & Technology",
  "Mechanisms and Methods in Historical Linguistics"
- **"Text mining and digital methods for the humanities" (August 2016)**
  Aarhus University, Denmark

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

## Presentations and Talks (*P means peer reviewed*)

- **P** Reuver, Myrthe. *"How Similar are Poodles in the Microwave? Classification of Urban Legend Types"*. **Poster** at Computational Linguistics in the Netherlands, Utrecht, January 2020.
- Reuver, Myrthe. *"Making the Computer Understand Urban Legend Types (And Making Humans Understand the Computer)"*. Moving Humanities Graduate Conference, Nijmegen: 24 October 2019.
- **P** Reuver, Myrthe. *"Amputation or Accident? Classifying Dutch Urban Legends into Story Types with a Hierarchical Classifier"*. Digital Humanities BeNeLuX, Liège: 13 Sept 2019.
- Reuver, Myrthe. *"Whose Gender is It? Possessive Pronoun Errors by Portuguese L2 speakers of English."* 13th TWIST Student Conference in Linguistics, Leiden. 13 April 2019.
- Reuver, Myrthe. *"First-Person Visibility: Ælfric's Pronouns in his Prefaces"*, StuTs Student Linguistics Conference, Nijmegen. 24 November 2017.