

Boris Marinov

Curriculum Vitae

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I'm a recent graduate passionate about all data related aspects. I enjoy manipulating, exploring, visualising and utilizing data to come up with creative insights and conclusions. I come from a family of scientists, driven and passionate about environmentalism and preserving what is around us. Originally Bulgarian, I spent my teenage years in Christchurch, New Zealand, to where I have returned now after my education in the Netherlands. I possess a dual citizenship and there is a dragonfly species named after me!

Education

- 2019–2021 **MSc in Human Machine Communication**, *University of Groningen, NL*, Grade average: 8.1.
 - Language modeling track, with focus on data science, machine learning, linguistics, statistical & cognitive modeling, psychology and critical, academic thinking
- 2015–2019 **BSc of Artificial Intelligence**, *University of Groningen, NL*, Grade average: 7.6.
- 2012–2013 **National Certificate in Computing, level 2 & 3**, *CPIT, New Zealand*.
- 2010–2014 **High-school diploma**, *Christ's College Canterbury, NCEA Excellence level 3*.

Master Thesis

- Title *Machine Learning Classification of the Coronary Artery Disease and Clustering of Unstructured Free-Form Medical Complaints*, Grade: TBD
- Supervisors Professor Fokke Cnossen & Professor Peter van Ooijen
- Description Part of the Dutch [CONCRETE Project](#). Investigated ML application to self-reported patient data in heart disease classification for possible improvements of the Dutch healthcare system. Developed a clustering pipeline which can group unstructured, free-form, medical text complaints to gauge differences between demographics and disease levels.

First-Year Research Master Project

- Title *Topic and Emotion Development among Dutch COVID-19 Twitter Communities in the early Pandemic*, Grade: 9
- Supervisors Assistant Professor Tommaso Caselli & Assistant Professor Jennifer Spenader
- Description Carried out an extensive analysis on over 2.4 million Dutch tweets related to the pandemic. Investigated the public response using topic modeling, emotional lexicon analysis and other methods. Paper published in the [COLING PEOPLES 2020 Workshop](#).

Experience

Vocational

- 2021 **Student Intern**, [TextGain](#).
Jan–Mar Worked on creating a pipeline for performing and visualising Social Network Analysis on Twitter data. Combined extracted NLP features with 3D graph visualisations to capture discourse and location changes throughout the data. [Report attached here](#).
- 2020 **Managing Teaching Assistant (General Linguistics)**, University of Groningen.
Jan–May A more involved TA job, working closely with the professor to create homeworks and exams, manage the other TAs and students, and adjust the course for the limitations placed by the pandemic.
- 2017–2019 **Teaching Assistant (General Linguistics, Basic Scientific Skills, Introduction to AI, Cognitive Psychology)**, University of Groningen.
Helped professors with grading of assignments, giving tutorials to students and general course structure responsibilities.
- 2017–2019 **Student Mentor**, University of Groningen.
Played a key role in helping students integrate in their university lives. Being a first point of contact for my mentor group, carrying out meetings and organizing social activities.
- 2015 **Laboratory Assistant**, Canterbury Health Labs, Christchurch, New Zealand.

Miscellaneous

- 2013–2014 **Head of House**, Christ's College, Canterbury, Christchurch, New Zealand.
Elected representative of my house, organizing events, coordinating with the housemaster and being in charge of the well-being of around a 100 students
- 2013–2014 **School Prefect**, Christ's College, Canterbury, Christchurch, New Zealand.
- 2013–2014 **Deputy Head of the Humanitarian Committee**, Christ's College, Canterbury.

Computer skills

- Basic JAVA, C, Adobe Illustrator, Git
- Intermediate R, MATLAB, Pandas, L^AT_EX, Microsoft Office, Linux, Windows, Adobe InDesign, Adobe Photoshop, Sklearn, Keras, SQL, Matplotlib, ML, NLP/Language Models
- Advanced PYTHON

Personal Skills

- Individual Prompt, very detail oriented, analytical thinker, leader, humorous, strong writer
- Team Skills Friendly, fair, good at reading people and communicating, diplomatic, initiative
- Public Speaking Teaching and leadership roles have helped me build confidence in presenting in front of groups

Languages

- Bulgarian **Mothertongue** *Conversationally fluent*
- English **Fluent**
- Russian **Basic** *Basic words and phrases*

Interests

- Art Art is a big part of my identity. I have worked with a variety of mediums since an early age, focusing on oils and pencil drawings. I have sold many paintings all over the world, managing to save for my first university year. I'm currently working on a website to display my artworks. I believe it is something which has trained my patience and attention to detail, which I naturally bring into my work.
- Sports Was part of my school's top football team. Passionate about table tennis, surfing and skating.
- Music Played the piano from the age of 6 to 14. Extremely passionate about 90's hip-hop, jazz and electronic music.

Awards

- 2020 Royal Zoological Society's Whitley Award for Best Illustrated Field Guide, 2020
- 2014 Leadership Scholarship to Otago University; Victoria University Excellence Scholarship
- 2013 The Duke of Edinburgh's International Award - Silver