

Richard Michael

email: r.michael@posteo.net - date of birth: 31.05.1995 - Borgmestervangen 31, 19-03, 2200 Copenhagen

+ Academic & Professional Experience

- since 04/2020 **Data Engineer (Protein Design) Student Assistant - Novozymes**, Copenhagen, Denmark
- developing a lab-application for prototypical hardware and integrating a machine-learning pipeline (Python, PyTorch)
 - developing probabilistic models on experimental protein-mutation data for different quality metrics (Python, Pyro, R)
- since 04/2020 **Consulting Data Scientist - zapliance GmbH**, Hamburg, Germany
- developing, benchmarking and testing of machine-learning solutions for product development on ERP-system related data (Python)
 - maintaining and developing an ETL system for user-behavior data (No-SQL, Apache-Airflow, MySQL, Python, Bash)
- 05/2017-04/2020 **Data Scientist Student Assistant - zapliance GmbH**, Hamburg, Germany
- **B.Sc. Thesis** on Classification and Modeling of User Behavior with Unsupervised Machine Learning and Bayesian Methods
 - data analysis and modeling of business intelligence topics (R, Python)
- 07/2018-10/2018 **Research Student in Computational Biology - Boutros Lab at the Ontario Institute for Cancer Research**, Toronto, ON, Canada
- contributing to a research project in benchmarking variant-caller algorithms on sequenced cancer genome data from the ICGC-TCGA (Perl, R)
- 03/2016-09/2016 **Internship system administration - InfoMantis GmbH**, Osnabrück
- system maintenance (Linux servers), documentation and development of monitoring scripts (Bash)

+ Education

- since 2019 **University of Copenhagen**, Denmark, M.Sc. Bioinformatics (Computer Science Track)
- 2016-2019 **University of Osnabrück**, Germany, B.Sc. Cognitive Science (Computer Science, Artificial Intelligence, Neuroinformatics, Neuropsychology, Mathematics)
- 2005-2014 **Bertolt-Brecht-Gymnasium Dresden**, Abitur (1.6) and IB

+ Scholarships & Awards

- since 10/2017 **sdw Klaus-Murmann Scholarship**, full scholarship (B.Sc. and M.Sc.) granted from the German economy
- 07/2018-10/2018 **Mitacs Globalink Research Fellowship**, Canadian research scholarship together with the DAAD

+ Extracurricular commitments

- 06/2018-05/2019 **Head of the sdw regional group Münster-Osnabrück**
03/2018-02/2019 **Head of the student body for Cognitive Science**

+ Languages

mother tongue: **German** foreign languages: **English(C1), Danish(A1)**