

Nikolai Nøjgaard – Résumé

Address	11c Franz Werhstedt Weg, Greifswald, 17493, Germany	Advisors	<i>Marc Hellmuth,</i> University of Greifswald, mhellmuth@mailbox.org.
Date of Birth	13 th Januar 1990		<i>Daniel Merkle,</i> University of Southern Denmark, daniel@imada.sdu.dk.
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Education

2010-2013

BSc. in Computer Science - University of Southern Denmark

04/2014-04/2018

MSc. in Computer Science - University of Southern Denmark

04/2016-04/2020 (expected award date)

PhD. in Computer Science - University of Southern Denmark and University of Greifswald

Publications

1. Nikolai Nøjgaard, Manuela Geiß, Daniel Merkle, Peter F Stadler, Nicolas Wieseke, and Marc Hellmuth. Forbidden Time Travel: Characterization of Time-Consistent Tree Reconciliation Maps. In Russell Schwartz and Knut Reinert, editors, *17th International Workshop on Algorithms in Bioinformatics (WABI 2017)*, volume 88 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 17:1–17:12, Dagstuhl, Germany, 2017. Schloss Dagstuhl–Leibniz-Zentrum fuer Informatik
2. Nikolai Nøjgaard, Manuela Geiß, Daniel Merkle, Peter F Stadler, Nicolas Wieseke, and Marc Hellmuth. Time-consistent reconciliation maps and forbidden time travel. *Algorithms for Molecular Biology*, 13(1):2, 2018
3. Nikolai Nøjgaard, Nadia El-Mabrouk, Nicolas Wieseke, Daniel Merkle, and Marc Hellmuth. Partial homology relations-satisfiability in terms of di-cographs. In *Proceedings of International Computing and Combinatorics Conference (COCOON)*, LNCS. Springer-Verlag, 2018
4. Marc Hellmuth, Anders S Knudsen, Michal Kotrbčik, Daniel Merkle, and Nikolai Nøjgaard. Linear time canonicalization and enumeration of non-isomorphic 1-face embeddings. In *2018 Proceedings of the Twentieth Workshop on Algorithm Engineering and Experiments (ALENEX)*, pages 154–168. SIAM, 2018

Presented at Scientific Conferences

02/2016 31st TBI (Theoretical Biochemistry) Winterseminar in Bled, Slovenia.

<https://www.tbi.univie.ac.at/bled/2016>

11/2016 23rd ARCO (Algorithmic Research: Cooperation around Oresund) in Copenhagen, Denmark.

http://arco.nu/arco_events/23rd-arco-20162-at-diku/

08/2017 WABI 2017 (Workshop on Algorithms in Bioinformatics) in Boston, U.S.A.

<http://acm-bcb.org/WABI/2017/>

01/2018 ALENEX 2018 (Algorithm Engineering & Experiments) in New Orleans, Louisiana, U.S.A

<https://archive.siam.org/meetings/alnex18/>

07/2018 COCOON 2018 (International Computing and Combinatorics) in Qingdao, China

<http://cococon2018.sdu.edu.cn/>

Otherwise Attended Scientific Conferences and Events

11/2016 Systems Chemistry Winter School 2016 in in Vienna, Austria.
<https://www.tbi.univie.ac.at/xtof/SysChemWinterSchool2016/>

02/2017 32nd TBI (Theoretical Biochemistry) Winterseminar in Bled, Slovenia.
<https://www.tbi.univie.ac.at/bled/2017>

11/2017 Personal invitation to Dagstuhl Seminar 17452: Algorithmic Cheminformatics.
<https://www.dagstuhl.de/en/program/calendar/semhp/?semnr=17452>

02/2018 33nd TBI (Theoretical Biochemistry) Winterseminar in Bled, Slovenia.
<https://www.tbi.univie.ac.at/bled/2018>

Academic Employment History

Aug 2012 - SDU, Campusvej 55, Odense M. 5230, Denmark.

Aug 2015 *Teaching Assistant*

Worked as a teaching assistant in the following courses:

- Introduction to Programming
- Machine Architecture
- Concurrent Programming
- Compiler Theory
- Bachelor Projects involving Compiler Theory

May 2016 - SDU, Campusvej 55, Odense M. 5230, Denmark.

present *PhD. Student*

Working as a PhD. student affiliated with "Institut for Matematik og Datalogi" at University of Southern Denmark and "Institut für Mathematik und Informatik" at University of Greifswald.

May 2016 - University of Greifswald, Walther-Rathenau-Str. 47, 17489 Greifswald

Present *Teaching Assistant*

Working as a teaching assistant in the following courses:

- Bioinformatics
- Datenstrukturen und effiziente Algorithmen
- Software Engineering

Non-Academic Employment History

Jan 2015 - App Workers, Gøngehusvej 16, Vedbæk, 2950, Denmark

Dec 2015 *Part Time Developer*

Worked on the design and implementation of several smaller web applications.

Jun 2014 - VSI Group., 607 Rimping plaza, T.Faham Chiangmai 50000, Thailand.

Dec 2014 *Developer*

Worked on a single project, with the primary goal of teaching employees in Thailand, on how to make independent developments on the project.

Aug 2009 - Contentor, Tangmosevej 83, Køge 5230, 4600

Aug 2011 *Developer*

Worked as a full-time, and later part-time web developer.