

Curriculum vitae

Thomas Dybdahl Ahle

June 2019

Education

2019 (expected) Doctor of Philosophy, IT University of Copenhagen.

2017 Master of Science, IT University of Copenhagen.

2013 Bachelor of Arts in Computer Science, University of Oxford.

Publications

“Subsets and Supermajorities: Unifying Hashing-based Set Similarity Search”.
By Thomas Dybdahl Ahle at Submitted, 2019.

“High Probability Tensor Sketch”. By Thomas Dybdahl Ahle, J Knudsen at
Submitted, 2019.

“Optimal Las Vegas Locality Sensitive Data Structures”. By Thomas Dybdahl
Ahle at Foundations of Computer Science, 2017.

“Parameter-free Locality Sensitive Hashing for Spherical Range Reporting”. By
Thomas Dybdahl Ahle, M Aumüller, R Pagh at Proceedings of Symposium on
Discrete Algorithms, 2017.

“On the Complexity of Inner Product Similarity Join”. By Thomas Dybdahl
Ahle, R Pagh, I Razenshteyn, F Silvestri at Symposium on Principles of Database
Systems, 2016.

Awards and Scholarships

Research Travel Award, Stibo-Foundation, 2016.

Given to just two Danish students a year, to collaborate in research abroad.

Northwestern Europe Regional Programming Contest, 1st, Association for Computing Machinery, 2014.

With my team Lambdabamserne, becoming the first ever Danish team to qualify for the ACM world finals.

Oxford Computer Science Competition, 1st, University of Oxford, 2013.

For my Numberlink solving software, giving the first fixed parameter polynomial algorithm for the problem.

Les Trophées du Libre, 1st, Free Software Foundation Europe, 2007.

For my work on the PyChess free software chess suite.

Industry and Employment

Chief Machine Learning Officer at SupWiz, 2017 - 2018.

I co-founded an NLP start-up with academics from University of Copenhagen. At SupWiz I lead a team of four in developing our chatbot software and putting it into production at three of the largest Danish IT companies. In 2019 the chatbot won the most prestigious prize given by Innovation Fund Denmark. I was also responsible for our hiring efforts, interviewing dozens and employing four engineers over a 5 month period.

Teaching at IT University of Copenhagen, 2015 - 2019.

In 2019 I taught Parallel and Concurrent Programming to 100 master students. Earlier years I TA'ed in various algorithms design classes.

Teaching at University of Copenhagen, 2014.

I assisted in teaching algorithms to bachelor students.

Software Engineer at Sophion Bioscience, 2013 - 2014.

I developed internal debugging tools for our high throughput ion channel screening machines.

Software Engineer Intern at Palantir, 2012.

The Palantir Metropolis software suite was being ported to the web. I made the initial version, rewriting front end Java code in Javascript and generalizing backend services as public facing APIs.

Software Engineer at XION, 2010-2012.

I Developed the most popular Danish TV-listings app for Android at the time.

This included scrapers to gather TV information from hundreds of channels (consensually) and serving it on a REST API.

Media

"The Stibo-Foundation supports IT-talents", Stibo, August 2016. The announcement of my winning the Stibo Travel grant.

Bidwell, Jonni. "Python: Sunfish chess engine", Linux Format, January 2016. Article about my Sunfish chess software.

"Med landsholdet i programmering til VM: Kodesport gør dig mere præcis", Computerworld, June 2015. Coverage of my teams participation in the ICPC World Finals.

Elkær, Mads. "Her er Danmarks tre bedste programmører", Computerworld, October 2013.

Contact

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DBLP List of papers

Google Scholar List of Papers

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