

Teaching portfolio

1. Teaching CV: A list of any lecturing and supervision tasks, including specification of academic fields, scope, level (bachelor, master, continuing education, PhD) as well as any external examiner tasks.

Fall 2022: Course: Specialization course in Programming Technology (spPT) (DAT9/SW9/IT9) Supervision: 1 group of master students co-supervised with Thomas Bøgholm: Alfred Ilberg Ulvmose Péter Tamás Sebök Valerie Luna Dickson Virmantas Cekys 1 group of master students co-supervised with Lone Leth Thomsen: Jamie Jonas Baldwin Pedersen Jeppe Jon HoltMads Hjuler Kusk Spring 2022 Course: Languages and Compiler (DAT4, SW4, IT8) Organized PhD course on "An Introduction to Interactive Theorem Proving" in collaboration with Rene Rydhof Hansen, Anders Schlichtkrull and Dmitriy Traytel, DIKU. Supervising: 2 groups of master students co-supervised with Lone Leth Thomsen: Aleksander Øster Nielsen Kasper Jepsen Rasmus Smit Lindholt Lasse Stig Emil Rasmussen Milton Kristian Lindof Søren Bech Christensen 4 group of master students co-supervised with Thomas Bøgholm: Daniél Garrido-Y Martinez Nielsen Kristian Theilmann Gregersen Rasmus Hartvig Jonas Krogh Hansen Jonas Bylling Andersen Phillip Bengtson Jørgensen Georgi Ivanov Zhivkov Fall 2021 Course: Specialization course in Programming Technology (spPT) (DAT9/SW9/IT9) Supervision: 1 group of master students co-supervised with Thomas Bøgholm: Daniél Garrido-Y Martinez Nielsen Jonas Bylling Andersen Rasmus Hartvig Jonas Krogh Hansen Phillip Bengtson Jørgensen Kristian Theilmann Gregersen 1 group of master students co-supervised with Lone Leth Thomsen: Aleksander Øster Nielsen Kasper Jepsen Lasse Stig Emil Rasmussen Milton Kristian Lindof Rasmus Smit Lindholt Søren Bech Christensen Spring 2021 Course: Languages and Compiler (DAT4, SW4, IT8) Supervising: 2 groups of master students co-supervised with Lone Leth Thomsen: Casper Susgaard Nielsen, Jacob Ruberg Nørhave, Anne Benedicte Abildgaard Ejsing, Martin Jensen, Lars Rechter 1 Master student: Theodor Constantin 2 CS-IT8 groups Fall 2020 Course: Specialization course in Programming Technology (spPT) (DAT9/SW9/IT9) 1 group of master students co-supervised with Lone Leth Thomsen: Casper Susgaard Nielsen, Jacob Ruberg Nørhave, Anne Benedicte Abildgaard Ejsing, Martin Jensen, Lars Rechter 1 Master student: Theodor Constantin 1 SW7 group Spring 2020 Course: Languages and Compiler (DAT4, SW4, IT8) Supervising: 2 Master students co-supervised with Lone Leth Thomsen: Niclas Jon Sommer Kristoffer Magill Nash 2 CS-IT8 groups co-supervised with Florian Lober 1 CS-IT8 group co-supervised with Manfred Jaeger Fall 2019 Course: Specialization course in Programming Technology (spPT) (DAT9/SW9/IT9) Supervising: 2 Master students co-supervised with Lone Leth Thomsen: Niclas Jon Sommer Kristoffer Magill Nash 2 SW5 groups Spring 2019 Course: Languages and Compiler (DAT4, SW4, IT8) Supervising: 3 Master students: Daniel Dirk Albert van Bolhuis Malte Emil Rosenbjerg Andersen Thor Steen Jensen 2 Master students: Tobias Morell Thomas Gwynfryn Mc Collin Pedagogical supervisor for assistant professor: Lu Chen Fall 2019 Course: Specialization course in Programming Technology (spPT) (DAT9/SW9/IT9) Supervising: 5 Master students: Daniel Dirk Albert van Bolhuis Malte Emil Rosenbjerg Andersen Thor Steen Jensen Tobias Morell Thomas Gwynfryn Mc Collin Pedagogical supervisor for assistant professor: Lu Chen Spring 2018 Course: Languages and Compiler (DAT4, SW4, IT8) Supervising: 2 IT8 groups 4 Master Students: Anders Munkgaard Claus Worm Wiingreen Michael Wit Dolatko Alexander Brandborg Fall 2017 Course: Specialization course in Programming Technology (spPT) (DAT9/SW9/IT9) Supervising: 4 Master Students: Anders Munkgaard Claus Worm Wiingreen Michael Wit Dolatko Alexander Brandborg Spring 2017 Course: Languages and Compiler (DAT4, SW4, IT8) 1 SW4 group Supervising: 2 Master Students: Frederik Madsen Halberg Christian slot Fall 2016 Course: Programming Paradigms (PP) (DAT7, SW7, DE7, ESS7) Supervising: 3 SW5 groups Internal examiner on 2 SW3 projects Spring 2016 Course: Languages and Compiler (DAT4, SW4, IT8) Supervising: 6 Master Students: Henrik Vinther Jais Morten Brohus Christiansen Svetomir Kurtev Tommy Aagaard Christensen Nichlas Korgaard Møller Niels Brøndum Pedersen Fall 2015 Course: Programming Paradigms (PP) (DAT7, SW7, DE7, ESS7) Course: Specialization course in Programming Technology (spPT) (DAT9/SW9/IT9) Supervising: 6 Master Students Henrik Vinther Jais Morten Brohus Christiansen Svetomir Kurtev Tommy Aagaard Christensen Nichlas Korgaard Møller Niels Brøndum Pedersen 3 IT8 students: Georgi Valentinov Vasov Ivan Kodzhastoyanov Svetomir Kurtev Spring 2015 Course: Languages and Compiler (DAT4, SW4, IT8) PhD Course: Scientific Programming using F# Supervising: 8 Master Students: Christian Møller Jensen Lars Harald Larsen Birgir Mar Eliasson Johannes Lindhart René Kjær Hornbjerg Troels Lisberg Nielsen Mark Faldborg Lars Chr. Pedersen (co-supervised with Bo Thiesson) Fall 2014 Course: Programming Paradigms (PP) (DAT7, SW7, DE7, ESS7) Course: Joint specialization course in Database and Programming Technology (spPT/spDB) (DAT9/SW9/IT9) Supervising: 8 Master Students: Christian Møller Jensen Lars Harald Larsen Birgir Mar Eliasson Johannes Lindhart René Kjær Hornbjerg Troels Lisberg Nielsen Lars Chr. Pedersen Mark Faldborg (co-supervised with Bo Thiesson) Spring 2014 Course: Languages and Compiler (DAT4, SW4, IT8) Supervising: 1 Phd Student: Kasper Søre Luckow 1 SW10 student: Kristian Kolding Foged-Ladefoged Fall 2013 Course: Programming Paradigms (PP) (DAT7, SW7, DE7, ESS7) PhD Course: Programming Super Computers Supervising: Pedagogical supervisor for assistant professor: Anders Bruun Phd Student: Kasper Søre Luckow Spring 2013 Languages and Compiler course for DAT4/SW4 Supervising: Pedagogical supervisor for assistant professor: Anders Bruun 1 Phd Student: Kasper Søre Luckow 1 DAT10 student: Bo Hedegaard Andersen 1 SW10 group: Brian Astrup Mikkelsen, Jacob Bang Fall 2012 DAT9/SW9 Programming Technology Specialisation Course Supervising: 1 Phd Student: Kasper Søre Luckow 1 DAT9/SW9 group: Bo Hedegaard Andersen, Brian Astrup Mikkelsen, Jacob Bang 1 SW5 group: Birgir Mar Eliasson, Jakob Lynge Albertsen, Johannes Lindhart Borresen, Kasper Madsen, Mark Faldborg, René Kjær Hornbjerg Andersen Spring 2012 Languages and Compiler course for DAT4/SW4 Supervising: 1 Phd Student: Kasper Søre Luckow 1 SW10 group: Dennis Hedegaard Raun Madsen, Filip Stubbjær Adamsen and Søren Houbak Kristiansen (co-supervised with Rene Hansen) 1 SW10 group: Anders Christian Sørensen, Marcus Calverley (co-supervised with Lone Leth Thomsen) Fall 2011 DAT9/SW9 Programming Technology Specialisation Course Supervising: 1 Phd Student: Kasper Søre

Luckow 1 SW9 group: Dennis Hedegaard Raun Madsen, Filip Stubkjær Adamsen and Søren Houbak Kristiansen (co-supervised with Rene Hansen) Spring 2011 Languages and Compiler course for DAT2/SW4/F6S/BAIT6 (Intranet) Programming Super Computers PhD course Supervising: 1 Phd Student: Thomas Bøgholm 1 SW10 group: Casper Svenning Jensen, Kasper Sørensen Luckow and Christian Frost 1 DAT6 group: Reidar Johannes Egvindarson Beck, Tommy Jensen, Helge Willum Larsen 1 SW8 group: Marcus Calverley, Mikkel Normann Follin, Henrik Søndberg Karlsen, Erik Ramsgaard Wognsen Fall 2010 DAT5/SW9 Programming Technology Specialisation Course Supervising: 1 Phd Student: Thomas Bøgholm 1 SW9 group: Casper Svenning Jensen, Kasper Sørensen Luckow and Christian Frost 1 DAT5 group: Reidar Johannes Egvindarson Beck, Tommy Jensen, Helge Willum Larsen 1 SW7 group: Marcus Calverley, Mikkel Normann Follin, Henrik Søndberg Karlsen, Erik Ramsgaard Wognsen Spring 2010 Languages and Compiler course for DAT2/SW4/F6S/BAIT6 (Intranet) Supervising: 1 Phd Student: Thomas Bøgholm 1 DAT6 group: Jacob Korsgaard and Jørgen Ulrik B. Krag 1 SW10 group: Patrick Kristiansen and Peder Nielsen 1 SW8 group: Casper Svenning Jensen, Kasper Sørensen Luckow and Christian Frost Fall 2009 DAT5/SW9 Programming Technology Specialisation course Game Programming Course coordinator Supervising: 1 Phd Student: Thomas Bøgholm 1 DAT5 group: Jacob Korsgaard and Jørgen Ulrik B. Krag Spring 2009 Languages and Compiler course for DAT2/SW4/F6S (Intranet) Program Analysis PhD Course Supervising: 1 Phd Student: Rene Hansen 1 Phd Student: Stephan Korsholm (currently on leave) 1 Phd Student: Thomas Bøgholm 1 SW10 group: Christian Eske Hansen and Morten Christiansen 1 DAT8 student: Simon Holm Thøgersen 1 SP2 student: Jan Jensen Fall 2008 DAT5/SW9 Programming Technology Specialisation course Supervising: 1 Phd Student: Rene Hansen (Currently at Cambridge University) 1 Phd Student: Stephan Korsholm 1 Phd Student: Thomas Bøgholm 1 SW9 group: Christian Eske Hansen and Morten Christiansen 1 DAT7 student: Simon Holm Thøgersen Spring 2008 Languages and Compiler course for DAT2/SW4/F6S Programming Super Computers PhD course Supervising: 1 Phd Student: Rene Hansen 1 Phd Student: Stephan Korsholm 1 DAT6 student: Jesper Bødker Christensen 1 DAT6 student: Simon Holm Thøgersen 1 SW10 group: Thomas Bøgholm, Henrik Kragh-Hansen and Petur Olsen Fall 2007 DAT5/SW9 Programming Technology Specialisation course Supervising: 1 Phd Student: Rene Hansen 1 Phd Student: Stephan Korsholm 1 DAT5 group: Jesper Bødker Christensen and Simon Holm Thøgersen 1 SW9 group: Thomas Bøgholm, Henrik Kragh-Hansen and Petur Olsen 1 SW7 group: Dan Kærvang, Jonas Vejlin, tharaniharan, Spring 2007 Languages and Compiler course for DAT2/SW4/F6S Supervising: 1 Phd Student: Rene Hansen 1 Phd Student: Stephan Korsholm 1 DAT8 group: Jacob Elkjaer Hansen, Morten Kirkegaard Hansen and Erik Hejlskov 1 SW8 group: Henrik Kronborg Andersen, Thomas Bøgholm, Henrik Kragh-Hansen and Petur Olsen 2 DAT6 students: Birthe Pedersen Damborg and Anders Mørk Hansen 3 SW10 students: Brian Groen Joergensen, Tinus Norstved and Eckhart Thorsten Krog Pedersen Fall 2006 DAT5/SW9 Programming Technology Specialisation course Supervising: 1 Phd Student: Rene Hansen 1 DAT7 group: E3-111, Jacob Elkjaer Hansen, Morten Kirkegaard Hansen and Erik Hejlskov 1 SW7 group: E3-212, Henrik Kronborg Andersen, Thomas Bøgholm, Henrik Kragh-Hansen and Petur Olsen 1 DAT5 student: E4-115, Claus Heegaard Poulsen 2 DAT5 students: E4-110, Birthe Pedersen Damborg and Anders Mørk Hansen 2 DAT5 students: E4-112, Alex Henning Johannesen and Jacob Volstrup Pedersen 3 SW9 students: E4-115, Brian Groen Joergensen, Tinus Norstved and Eckhart Thorsten Krog Pedersen Spring 2006 Languages and Compiler course for DAT2/SW4/F6S Mobile Software Technologies course for SW8 and SP2 Supervising one group of three DAT6 students and two DAT8 students. Fall 2005 DAT5/SW9 Programming Technology Specialisation Course Introduction to Java course for 1st year students Supervising one group of DAT5 students, one DAT6 student, 3 DAT7 students and one group of SW7 students. Technical supervisor for one entrepreneur in the greenhouse incubator. Spring 2005 Languages and Compiler course for DAT2/SW4/F6S students Mobile Software Technologies course for SP2 students Java vs. C# course for PhD Students Supervising one group of two DAT6 students, one DAT6 student and a group of two DAT8 students. Fall 2004 ITV course for 1st year students Web course for 1st year students Introduction to Java course for 1st year students DAT5 Programming Technology Specialisation Course Supervising one group of four DAT5 students. Java vs. .Net further education course, Livsuddannelse 2004. Spring 2004 Platforms and Tools for Web Services and Mobile Applications course for PhD students, summer 2004. Languages and Compiler course for DAT2/SW4/F6S, spring of 2004. Supervised one group of four DAT6 students. Fall 2003 Fagets IT Kursus which I taught in the fall of 2003. DAT5 Programming Technology Specialisation Course Supervised one group of four DAT5 students and 1 DAT6 student Spring 2003. Languages and Compiler course which I taught in the spring of 2003. Supervised 3 P2 groups and one D9 group. Fall 2002 Fagets IT Kursus which I taught in the fall of 2002. Supervised 4 P0 groups and 3 P1 groups.

2. Study administration: A list of any study administration tasks, e.g. study board membership, head of studies or semester or course coordinator, accreditation, etc.

In 2011/12 I was a member of a four person team (SORG) charged with restructuring the BSc and MSc programmes in computer science and software engineering in accordance with the Bologna Framework. Since 2013 I am a member of a four person team (DAT/SW-UG) charged with maintaining the BSc and MSc programmes in computer science and software engineering. Recently this committee redefined the study programs, including introducing elements of digital support for PBL and a progression of PBL learning goals throughout the programmes. From January 2017 till August 2021 I was chairman of a committee (DV-UG) on creating a Data Science BSc and MSc programme at Aalborg University. This study program was formally approved in December 2017 and the BSc programme started in 2019 and the MSc programme started in 2022. Since August 2020 I am chairman of the committee for the international study program in computer science (CS-IT). •April 2015 – March 2019 member of qualification committee (Kvalifikationsnævnet) for Universities in Denmark. •From 2003 till 2020 member of the departmental teaching planning committee

3. University pedagogy qualifications: A list of any completed courses in university pedagogy, PBL courses, workshops, academic development projects, collegial guidance

and supervision, etc.

•“Undervisningens dag”, AAU Learning Lab, May 8th, 2019 •“Undervisningens dag”, AAU Learning Lab, May 3rd, 2018
•“Undervisningens dag”, AAU Learning Lab, May 4th, 2017 •“Undervisningens dag”, AAU Learning Lab, April 22nd, 2015
•“Undervisningens dag”, AAU Learning Lab, April 9th, 2014. •“Adjunkt Pædagogik” stretches over a 1.5 year period, starting autumn 2003. •“Pædagogisk dag”, Birthe Lund og Tina Keiding, dept. Of Computer Science, Aalborg University, 2nd of December, 2004. •“Formative evaluation of teaching. How to evaluate relevance and quality of the teaching-learning process?” workshop, by Professor Per Lauvås, Oslo University, Aalborg University, 25th of November, 2004. •“IT-pædagogik og undervisning/vejledning” workshop, by Helle Bækkelund, Annie Aarup Jensen and Morten Rask, Aalborg University, 24th of September, 2004. •“Reflections on Teaching and Evaluation” workshop, by Professor John Cowan, Open University, Aalborg University 25-26 of August, 2004. •“Evaluation – assessment?” workshop, by Professor Per Lauvås, Oslo University, Aalborg University 14th of April, 2004. •“Undervisningsmetodik” workshop, by Tina Bering Keiding, Aalborg University, 1st of April, 2004. •“Individual learning style and learning culture” workshop, by Lektor Lise Kofoed og lektor Anette Kolmos, Aalborg University, 25th of February, 2004. •“Supervision” workshop, by Professor Egon Petersen, Aalborg University, 3rd of February 2004. •“Course design” workshop, by Josee Bouchard, Centre University Teaching and Learning, McGill University, Canada, at Aalborg University, the 16th of December, 2003. •“Adjunkt Pædagogik” start-up workshop, by Lone Krogh, Aalborg University, 30-31 October, 2003 • “Problem Based Learning”, by Lars Peter Jensen, Aalborg University, 27-29 August, 2002. •BCS PDS (British Computer Society Personal Development Scheme) supervisor course, ICL, Slough, 21 February, 2000. •As part of my M. Sc. study I qualified as a high school teacher in mathematics (Paedagogikum teoretisk del).

4. Other qualifications: Conference attendance, editorials, presentations, etc. relating to education, 'University Teaching Day', etc.

•“Digital Transformation”, TECH's competence programme, AAU, September-December 2020. •“Undervisningens dag”, AAU Learning Lab, May 8th, 2019 •“Undervisningens dag”, AAU Learning Lab, May 3rd, 2018 •“Undervisningens dag”, AAU Learning Lab, May 4th, 2017 •“Undervisningens dag”, AAU Learning Lab, April 22nd, 2015 •“Undervisningens dag”, AAU Learning Lab, April 9th, 2014. •BCS PDS (British Computer Society Personal Development Scheme) supervisor course, ICL, Slough, 21 February, 2000.

5. Teaching activity development and teaching materials: A list of any contributions to the development of new modules, teaching materials, study programmes, e-learning, collaboration with external business partners, etc.

From 2006 until 2010, member of a five-man team in charge of defining and maintaining the Informatics study programme. In 2011/12 member of a four person team (SORG) charged with restructuring the BSc and MSc programmes in computer science and software engineering in accordance with the Bologna Framework. Since 2013 member of a four person team (DAT/SW-UG) charged with maintaining the BSc and MSc programmes in computer science and software engineering. Recently this committee redefined the study programs, including introducing elements of digital support for PBL and a progression of PBL learning goals throughout the programmes. From January 2017 till August 2021 chairman of a committee (DV-UG) on creating a Data Science BSc and MSc programme at Aalborg University. Since August 2021 chairman of the committee for the international study program in computer science (CS-IT).

6. Teaching awards you may have received or been nominated for.

Still waiting

7. Personal reflections and initiatives: Here you may state any personal deliberations as regards teaching and supervision, any wishes and plans for further pedagogic development, plans for following up on feedback/evaluations from students, etc.

8. Any other information or comments.