

Kristoffer Just Arndal Andersen

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Department of Computer Science
Aarhus University
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Education

Ph.d. Programming Language Logic & Semantics, Aarhus University
Institute of Computer Science
Expected August 2019

Visiting Scholar, University College London
Department of Computer Science
Winter/Spring 2018

MSc Computer Science, Aarhus University
Report: “Automatic Verification of Fine-Grained Concurrent Programs”
February 2017

BSc Computer Science, Aarhus University
Bachelor project: Compiler for Java 1.3, written in OCaml
Summer 2013

International Baccalaureate, Grenaa Gymnasium
Summer 2010

Cambridge IGCSE, Overseas Family School, Singapore
Summer 2007

Publications

1. Kristoffer Just Arndal Andersen and Ilya Sergey. “Distributed Protocol Combinators.” In Submission for “*The 21st Symposium on Practical Aspects of Declarative Languages*” (*PADL19*). Cascais, Portugal. January, 2019.
<http://cs.au.dk/~kja/papers/drafts/dpc-pad12019-draft.pdf>
2. Thomas Dinsdale-Young, Pedro da Rocha Pinto, Kristoffer Just Andersen and Lars Birkedal. “Caper: Automatic Verification for Fine-Grained Concurrency.” In the proceedings of “*The 26th European Symposium on Programming*” (*ESOP17*). Uppsala, Sweden. April, 2017.
<http://cs.au.dk/~kja/papers/caper-esop17/caper.pdf>
3. Jakob G. Thomsen, Christian Clausen, Kristoffer Just Andersen, John Danaher and Erik Ernst. “Reducing Lookups for Invariant Checking”. In the proceedings of “*The European Conference on Object-Oriented Programming*” (*ECOOP13*). Montpellier, France. July, 2013.
<http://www.cs.au.dk/~gedefar/?page=invariant>

Employment

Game Engineer, Wooga GmbH, Berlin, Germany

August 2017 - December 2017

Junior System Engineer, Systematic A/S, Aarhus, Denmark

August 2014 - January 2015

Game Developer, Center for Community Driven Research, Institute of Physics, Aarhus University

March 2015 - January, 2015

Student Programmer at Center for Advanced Static Analysis, Aarhus University

November, 2011 - July, 2012

Positions as ph.d. student at Aarhus University

CS Challenge I have managed the early talent program for ambitious first year students for 2 years in collaboration with Professor Michael Schwartzbach, pitting about 15 students each year up against custom, hand-made Computer Science problems for their extra engagement in their studies. As a direct result of our efforts, the Institute was the best prepared for when the faculty instated mandatory talent programs for all courses of study.

Visitors Service I have participated in the departments programme for visiting high school and secondary school students. Here I give more or less interactive presentations to give them a sense of what it is like to study at a university, in general, and at the institute of computer science, specifically.

Positions as teaching assistant at Aarhus University

Semantics of Programming Languages (MSc/PhD Course), Fall Semester 2016. 17 students.

Web Technologies, Fall Semester 2015. 25 students.

Introduction to Functional Programming (MSc Course), Fall Semester 2015. 35 Students.

Programming Languages, Spring Semester 2015. 20 students.

Software Architecture, Fall Semester 2013. 25 students.

Introduction to Programming, Fall Semester 2013. 19 Students.

Regular Languages & Automata, Spring Semester 2013. 16 Students.

Web Technologies, Spring Semester 2013. 23 Students.

Programming II, Fall Semester 2013. 19 Students.

Introduction to Programming, Fall Semester 2012. 1 Student (Special needs).

Programming Languages, Spring Semester 2012. 21 Students.

Introduction to Programming, Spring Semester 2012. 19 Students.

Programming II, Fall Semester 2011. 24 Students.

Introduction to Programming, Fall Semester 2011. 24 Students.

Awards & Grants

Travel grant from EPSRC's VeTSS Project for GBP 8.000 for stay at UCL.

Stibo IT Travel Grant for DKK 58.000 for stay at UCL.

EU COST Project "EUTypes" EUR 1000 Travel grant to attend the Principle of Programming Languages Conference (POPL) in Paris, 2017.

Activities

Midlands Graduate School on Foundations of Computing, Birmingham, England

April 2016

Finalist at the Nordic Game Jam (15th of 200 Teams), Copenhagen

April 2016

Marktoberdorf Summer School on Software Verification, Germany

August 2015

Oregon Programming Languages Summer School

June 2015

Contributed to the Elm Language project with investigation of its distributed computing capabilities

<http://www.github.com/kandersen/Distributed-Elm>

July, 2013

Summer School on Applied Functional Programming at Universiteit Utrecht, The Netherlands

August, 2012

Started the Spare Time Teaching (<http://sparetimeteaching.dk/>) Initiative, and taught our first class on OCaml *July, 2012*

Volunteer bartender in the student bar ‘Fredagscafeen’

November, 2010 – January, 2012

Last updated: October 12, 2018