

CURRICULUM VITÆ

January 6, 2022

Personal information

Christoffer Müller Madsen
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Danish citizen
Phone number: +45 81 73 02 02
Living in Aarhus, Denmark

Employment record

Consultant · Netcompany · Aarhus, Denmark	August 2020 – now
Worked on <i>Kommunernes Ydelsessystem</i> (KY): a system implemented in all 98 Danish municipalities for paying out 2 billion DKK of welfare benefits every month. The solution integrates with multiple other services within the Danish public sector, requiring collaboration with both the customer and external parties balancing new features against maintaining a stable service. I have been part of the teams handling financial calculations and claims. My main tasks were designing and implementing complex new features. This includes all parts of the process: workshops with the client, designing the architecture, writing solution descriptions, and implementing the solution agreed upon with the client. Key technologies Java · Spring · Oracle SQL · Git	
IT responsible · Gotlands nation (student organisation) · Uppsala, Sweden Maintained website and local network for a local student organisation in Uppsala. Volunteer work.	October 2019 – January 2020
Student researcher · Aarhus University · Logic and Semantics (research group) Worked on the theoretical implementation of gradual typing in a research language supporting information-flow security.	Summer 2019
Mentor for new students · Aarhus University · Dept. of Computer Science Monthly meetings with a group of new students to help them get accustomed to life as university students.	Summer 2018 – Spring 2019
Teaching assistant · Aarhus University · Department of Computer Science Assisted in the courses <i>Programming Languages</i> and <i>Interaction Design</i> .	Spring 2017
Warehouse employee · Solar A/s	November 2014 – March 2015
Warehouse employee · Bestseller A/s	September 2014 – October 2014

Academic history

Uppsala University · September 2019 – January 2020
Exchange student at M.Sc. level via Erasmus+ programme
Aarhus University · M.Sc. in Computer Science · September 2018 – June 2020
Specialization: Programming Language Theory, Algorithmics
Thesis: *Zeebra – a compiler for a low-level IFC language*
Implementation of an LLVM-backed compiler for a low-level information-flow-controlled language.
Presented summary of thesis at Workshop on Foundations of Computer Security 2020 (FCS).
Aarhus University · B.Sc. in Computer Science · September 2015 – June 2018
Munkensdam Gymnasium · STX with focus on Mathematics, Chemistry and Physics · August 2011 – June 2014
Treasurer for the student council in the academic year 2013/14.

Languages

Native Danish speaker
Fluent in both written and spoken English (CEFR level C2)
Able to understand simple German (CEFR A2), French (CEFR A1) and a bit of Latin

Skills and interests

Experience with a broad range of programming languages: Ruby · Java · Python · OCaml · Rust · C · POSIX sh
Administration of small environments of Linux and Windows computers
General knowledge of low-level operating system architecture
Typesetting documents (a major hobby), mainly using T_EX and L_AT_EX
I have a general interest in learning about both new and old technologies and considering how they can be used.
I enjoy linguistics, playing multiplayer computer games, listening to music, tinkering with servers, and cooking.