Christian Pardillo Laursen

Education

2017-2020 **BEng Computer Science**, *University of York*.

- 3rd Year
  Dissertation: Integrating Theorem Proving with Computational Algebra Systems
  Involves writing a plug-in for the Isabelle theorem prover that will allow it to obtain symbolic solutions to ordinary differential equations
  - Concurrent Systems Analysis and Verification
  - Data-Oriented Specifications & their Analysis - 97%
  - Fundamentals of Machine Learning - 91%
- 2nd Year - average: 85%
  Departmental Award for Best Performance in the Second Year
  - Implementation of Programming Languages: 100%
  - Software Engineering Project: 87%
- 1st Year - average: 78%
  - Theory and Practice of Programming: 90%
  - Numerical Analysis: 82%
  - Business Innovation and Entrepreneurship: N/A

Experience

June–August 2020 **Research intern**, *YorRobots*.
Project aiming to produce a case study in the verification and implementation of a robot controller in Isabelle/UTP

Skills

Languages Fluent in Spanish, English and Danish. B1 in German.

Programming Experienced in Haskell, Python, Java and other languages.

Computing theory Experienced in the design and analysis of algorithms in various areas of computer science, as well as system modelling and refinement.

Linux Adept at using the terminal and a wide range of utilities to manage Linux systems and work efficiently.

Interests

Gymnastics Train 2 times per week with the university gymnastics club. Hold the treasurer role.

Independent study Currently learning about category theory and other topics in mathematics, with focus on their application to computer science.

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Projects
- Scripts to automate common tasks and improve my workflow.
- Implementing concepts from lectures and mathematics
  - *Advent of Code*
  - Chess engine
  - Neural networks from scratch
  - Replicating tweets using Markov chains

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