# Christian Pardillo Laursen

## Education

**2017-current**   **MEng 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

## 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.

**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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