Hjalti Magnússon

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Education

- **Reykjavik University**   Reykjavik, Iceland
  Master of Science in Computer Science   *2013*

  – Thesis: *Sorting operators and their preimages*

- **Reykjavik University**   Reykjavik, Iceland
  Bachelor of Science in Mathematics   *2010*

- **Breiðholt College**   Reykjavik, Iceland
  Natural Science Matriculation Exam   *2006*

Teaching Experience

- **Reykjavik University**   Reykjavik, Iceland
  Organized and taught

  – T-110-VERK, Problem Solving, Spring 2014 (three week course)
  – T-201-GSKI, Data Structures, Spring 2014
  – T-110-VERK, Problem Solving, Fall 2013
  – T-308-PRLA, The Python Programming Language, Summer 2013
  – T-110-VERK, Problem Solving, Fall 2012
  – T-110-VERK, Problem Solving, Fall 2011

- **Reykjavik University**   Reykjavik, Iceland
  Teaching assistant

  – T-501-FMAL, Programming Languages, Spring 2013
  – T-414-AFLV, Effective Programming and Problem Solving, Spring 2011
  – T-111-PROG, Programming, Fall 2010
  – E-109TAF, Number Theory, Fall 2010
  – T-419-STR2, Discrete Mathematics II, Spring 2010
  – T-117-STR1, Discrete Mathematics I, Fall 2009
  – T-110-VERK, Problem Solving, Fall 2009

- **The Summer School in Breiðholt College**   Reykjavik, Iceland
  Organized and taught

  – Elementary Algebra, Summer 2009
  – Introduction to Discrete Mathematics, Summer 2010

– Introduction to Discrete Mathematics, Summer 2011

Talks

- **Permutation Patterns 2013**   Paris, France
  University Paris Diderot   *July 2013*

    – *Preimages of sorting operators*. Joint work with Henning Úlfarsson.

- **ICE-TCS Theory Day**   Reykjavik, Iceland
  Reykjavik University   *August 2012*

    – *Turning the study of stack-sortable permutations into algorithmics*. Joint work with Henning Úlfarsson.

- **Permutation Patterns 2012**   Glasgow, Scotland
  University of Strathclyde   *June 2012*

    – *Stack-sorting and preimages of mesh patterns*. Joint work with Henning Úlfarsson.

Awards and Achievements

- Received an award from the School of Computer Science, Reykjavik University, for outstanding academic achievement during my M.Sc. studies, in the Spring of 2013.

- Graduated from Reykjavik University as the dux of the School of Computer Science, in the Spring of 2010.

- Reykjavik University's School of Computer Science Deans List

    – Spring 2010
    – Spring 2009
    – Fall 2008
    – Spring 2008
    – Fall 2007

- Received a scholarship for entering Reykjavik University from Landsbankinn (The National Bank of Iceland).

- Achieved the highest average grade (93.6%) on a matriculation exam in Breiðholt College, in Spring 2006.

- Received an award for outstanding achievements in Mathematics, on a matriculation exam, from The Icelandic Mathematical Society.

- Received an award for outstanding achievements in Chemistry on, a matriculation exam, from The Icelandic Chemical Society.

Professional Experience

- **Marorka**   Reykjavik, Iceland
  Programmer   *Summers 2009–2012*

  - Programming in C# using the .NET framework