



# Bjarni Jens Kristinsson

## Curriculum Vitae

*"It is quality rather than quantity that matters."  
-Lucius Annaeus Seneca, Moral Letters to Lucilius*

### Education

- 2012–2015 **B.Sc. in Mathematics**, *University of Iceland*, Reykjavik, 8,52 (out of 10).  
Minor in Computer Science. Completed 150 ECTS units out of 180. Expected graduation date in June, 2015. President of the student union Stigull the school year 2013-14.
- 2007–2011 **Stúdentispróf**, *Reykjavik Junior College*, Reykjavik, 7,89 (out of 10).  
Physics department. Received an acknowledgement for excellent results in Mathematics at graduation. Voted class councillor in final year.

### Bachelor thesis

- title Occurrence graphs of patterns in permutations
- supervisor Henning Úlfarsson, postdoctoral researcher at Reykjavik University
- abstract *(Currently researching.)* Fixing a pattern  $p$  we generate the graph  $G_p(\pi)$  from a well chosen definition and study the structure and properties of those graphs.

### Work

#### Programming

- Summer 2014 **Software developer**, *Invector*, Reykjavik.  
Developing a web app for clients using Invector's statistical model to estimate prices of real estates worldwide. Working primarily on designing the database, the user system and other backend programming.
- Summer 2013 **Software developer**, *Reykjavik Energy*, Reykjavik.  
Brought in to program an interactive educational game about Reykjavik Energy's CarbFix project. Worked with three Master's student who designed the game and made all the educational material.

#### Teaching

- Fall 2013 **Assistant Teacher**, *University of Iceland*, Reykjavik.  
Teaching assistant in a Linear Algebra course.

2012–2014 **More teaching**, *Various employers, Reykjavik.*

I have taught a computer science class for the Youth university (summer 2013), revision courses in mathematics for Nobel tutoring Ltd. (2012–2013) as well as I have had many students for private tutoring in mathematics (2012–2014).

## Languages

Icelandic **native language**

Swedish **fluent**

*I lived in Sweden for ten years*

English **full professional proficiency**

French **beginner level**

## Computer skills

Fluent Linux, Bash, SSH,  $\LaTeX$

Advanced Java, Python, Django, SQL, Git, Apache

Intermediate HTML, CSS, JavaScript, Spreadsheet/Excel

Beginner Octave/MatLab, R, MathProg/AMPL, Sage

## Interests

tech I have a lot of love for small low-powered computers that I can program to do my bidding. I own two Raspberry Pis, a CuBox-i and a Cubietruck – all with Linux running on fanless ARM CPUs. I manage my own HTTP webserver and NFS filserver from my living room and frequently connect to my desktop via SSH to harness its CPU for combinatorial calculations.

math I am especially intrigued by the concept of infinity. In my studies I specialise in discrete mathematics and computer science and have my eyes set on cryptography. During junior college I participated in many mathematics competitions and twice I was selected to compete with the national team in Baltic Way.


chess For many years I studied chess and I achieved a peak ELO rating of 2062. In 2007 I became national champion U20 and in 2009 I played in the World Youth Chess Championship held in Antalya, Turkey. Twice I became Nordic champion and three times national champion with my junior college chess team. I have taught chess in various elementary schools and organized my own summer chess workshops.

bicycling I've tried to use my bike as my main transportation inside the city. It is a method of exercise to keep myself fit and healthy. In the summer of 2012 me and my friend went on a 2 month biking tour through Europe, visiting six countries and bicycling over 1.600 km.

## References

Available upon request.

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