



# Bjarni Jens Kristinsson

## Curriculum Vitae

### Education

- 2017 – *curr.* **M.Sc. in Computer Science**, *Reykjavik University*, Iceland.  
Spent the year 2017-18 at *Vrije Universiteit Amsterdam* in the Netherlands taking courses on distributed systems, concurrency algorithms, coding theory and cryptography. Expected thesis work at RU is on computer proofs and counting of permutation pattern avoidance classes in the field of Combinatorics. Am taking courses on distributed systems and machine learning.
- 2012 – 2015 **B.Sc. in Mathematics**, *University of Iceland*, Reykjavik, 8,55 (out of 10).  
Specialization in Computer Science. Elective courses in subjects such as algorithms, probability theory, combinatorics and graph theory. President of the student union Stigull during the school year 2013-14. Wrote a thesis named *Occurrence graphs of patterns in permutations* (available from <http://hdl.handle.net/1946/22017>).

### Development tools

- Languages Python, Java  
DevOps Linux, Docker, LXD, Jenkins, Travis, Bash, Vagrant, git  
Other SQL, Octave/MatLab, NumPy, R,  $\LaTeX$

### Work experience

- 2015 – 2018 **Software Developer**, *WuXi NextCODE*, Reykjavik, Iceland.  
Joined the company at an early stage when it was expanding very fast. Started off in DevOps like assignments of maintaining, executing and further developing deployment (Chef, Ansible) and infrastructure (AWS CloudFormation, Terraform) code. Handed it over to a newly created Backend Group and joined the Data Group. Developed Python code to import and process genomic data in our system and integrating 3rd party platforms with ours. Built, tested and deployed components in CI/CD loops using tools such as Jenkins, Docker and Ansible. Returned for the summer of 2018 to create a benchmarking suite for the company's core software which runs in a CI loop to detect performance regression.
- Summer 2014 **Software Developer**, *Invector*, Reykjavik, Iceland.  
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.

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Summer 2013 **Software Developer**, *Reykjavik Energy*, Reykjavik, Iceland.

Brought in to program an interactive educational game about Reykjavik Energy's CarbFix project. Worked with three Master's students who designed the game and wrote the educational material. Coded the game in raw JavaScript using images and graphics drawn and provided by them.

## Teaching

Fall 2018 **Assistant Teacher**, *Reykjavik University*, Reykjavik.

Teaching assistant in a Calculus and Statistics course. Grading homework in a Discrete Mathematics course.

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).

## Interests

- tech Recent hands-on hobby projects include autonomous Raspberry Pis hosting websites and recording timelapses. Set up [blog.bjk.is](http://blog.bjk.is) to document some of it. Manage my own VPS hosting websites and experimenting with various webservises.
- math I am deeply intrigued by the concept of infinity and I take joy in intuitive proofs by contradiction. During junior college I participated in multiple mathematic 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.
- sports I like to lift weights, play football and bike to keep me in shape and in good health. I also bike to commute. In the summer of 2012 my friend and I went on a 2 month biking tour through Europe, visiting six countries and bicycling over 1600 km.

## References

Available upon request.