# Curriculum Vitae

Anna Rudas

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## Contact information

- **Email:** anna.rudas@gmail.com

## Work experience

- **Aug 2013 - present:** Senior Manager at Morgan Stanley, Quantitative Analysis Group, Internal Audit Department (Budapest)

- **Mar 2013 - Jul 2013:** Mathematical developer (social network analysis, graph algorithms), Lynx Analytics Ltd.

- **Sep 2012 - Feb 2013:** Teacher of practice courses for engineers, Budapest University of Technology and Economics, Institute of Mathematics, Department of Stochastics.

- **Apr 2012 - present:** Financial Officer, BAGazs Public Benefit Association (www.bagazs.org), volunteer work.

- **Feb 2006 - Apr 2012:** Associate at Morgan Stanley, Mathematical Modeling (Budapest) May 2010 - Oct 2010, 6 months work in the New York office (1585 Broadway, NYC).

## Education

- **May 2013:** PhD in Mathematics

    - PhD Thesis: Asymptotic behaviour of random growing trees
    - Supervisor: Prof. Bálint Tóth
    - Budapest University of Technology and Economics, Graduate School of Mathematics and Computer Science

- **Sep 2003 - Jun 2006:** Budapest University of Technology and Economics, Graduate School of Mathematics and Computer Science.

- **Jun 2003:** MSc in Mathematics

- **Sep 1998 - Jun 2003:** Budapest University of Technology and Economics

## Computer skills

- C++, Java, Python *Medium*

## Language skills

- Hungarian *Native*

- English *Fluent*

- French *Medium*

## Conferences, exchange programs

- **August 2007** *Random Trees*, Reykjavík (participant)

- **August 2006** *Large-Scale Random Graph Methods for Modelling Mesoscopic Behavior in Biological and Physical Systems*, Budapest, Rényi Alfréd Mathematikai Intézet (seminar talk)

- **March 2006** *Discrete Probability*, Vienna AT, Erwin Schrödinger Institute (participant)

- **July 2005** *Cornell Summer School in Probability* (participant, seminar talk)

- **July 2004** *three-week exchange program*, École Normale Supérieure, Paris (seminar talk)

- **June 2004** *NYU Summer School*, Florence (participant)

## Teaching experience

- **2002-2007 and 2012-2013** Pratice courses for engineers and Mathematics students at the Budapest University of Technology and Economics (Stochastic Processes, Probability Theory, Calculus, Maple programming language.)

## Publications

1. Anna Rudas, Bálint Tóth, Benedek Valkó. Random trees and general branching processes. *Random Structures and Algorithms* 31, 186-202, 2007

2. Anna Rudas, Bálint Tóth. Random tree growth with branching processes - a survey. *Handbook of Large-scale Random Networks*, Béla Bollobás, Róbert Kozma, Dezső Miklós, (editors), volume 18 of Bolyai Mathematical Studies, Chapter 4. Springer, 2007

3. Anna Rudas, Imre Péter Tóth. Entropy and Hausdorff Dimension in Random Growing Trees. *Stochastics and Dynamics* Vol. 13, No. 1., 2013

4. Rudas Anna. A Pólya-féle urnamodell I.-II. Paper for High-School Students, in Hungarian *KöMaL (KöMaL September and October 2012, in two parts)*