

**Ana Serafimović**  
curriculum vitae

**PERSONAL  
INFORMATION**

Tel. +381 65 909 66 19  
e-mail anaserafimovic@yahoo.com  
Date of Birth 24.6.1987.

**EDUCATION**

2014– July 2015 (expected) IT Academy, Microsoft Development program (Object oriented programming in C# for Desktop and Web applications)

2011 – 2014 Stockholm University, Sweden

MSc in Mathematical Statistics

Thesis: End of an SIR epidemic on a configuration model random graph

Thesis Presentations: 9.th European Conference on Mathematical and theoretical Biology, Gothenburg University, Sweden, in June 2014

and Eindhoven Stochastics Seminar, TU/e Netherlands, in September 2014

GPA (approx.) B+/A=Excellent, B=Very Good, C=Good, D=Satisfactory, E=Sufficient, F=Fail

2006 – 2011 University of Belgrade, Serbia

BSc in Mathematics, Department of Probability and Statistics

GPA 9.43/10.00

**HONORS**

Name Stockholm University Scholarship  
Awarding body Stockholm University  
Value Tuition fee for the Master program

Name Dositeja Scholarship  
Awarding body Ministry of Youth and Sports, Republic of Serbia  
Value €5000  
Years 2011/2012, 2012/2013

Awarding body University of Belgrade  
Value Travel award  
Year 2011

Description Award for the highest GPA in a chosen module  
Awarding body University of Belgrade  
Value NA  
Years 2006/2007, 2007/2008, 2008/2009

Name Diploma “Vuk Karadžić”  
Awarding body Gimnazija Leskovac, Mathematical High School class  
Year 2006

Name FCE Certificate, Grade A  
Awarding body University of Cambridge  
Date of Examination June 2004

**LANGUAGES**

Serbian mother tongue  
English fluent  
Spanish good

**OTHER**

Driving licensee (B category)

Volunteering as an English language tutor at Stockholm University, 2013.

Some of the courses I have taken are given in the following table.

Course	Software	Methods and Concepts	Level	Grade
Statistical Software 1, 2, 3, 4	R	visualizing data, p-value, t-tests, prediction and confidence intervals, random walks in 1, 2 and 3 dimensions, linear congruential generators (LCG) of random numbers, $\chi^2$ independence test, gap independence test, poker independence test, autocorrelation independence test, Monte Carlo methods for calculating integrals, Kolmogorov-Smirnov tests, bootstrapping, linear regression, (adjusted) $R^2$ , outliers (leverage and influential points), Cook's distance, Fisher's test, Q-Q plot.	BCs	10 in all four
Bayesian Analysis	R, OpenBUGS	hierarchical models, Monte Carlo simulations (Gibbs sampler and Metropolis-Hastings)	MSc	A
Design of Experiments	R	ANOVA, block design, factorial design, multiple regression, the Box-Cox method, ANCOVA	MSc	A
Multivariate Methods	R	multivariate normal distribution, MANOVA, principle component analysis, factor analysis, canonical correlation analysis, discriminant analysis, clustering	MSc	B
Categorical Data Analysis	SAS	contingency tables, logistic regression, logit models, loglinear models	MSc	A
Applied Biostatistics	Vensim, R	epidemic models: modeling an SIR model based on differential equations with random parameters, algorithms for surveillance data	MSc	A