



# Szabolcs Hodossy

---

## Education

- 2015–Present **Mathematics MSc.**, *Budapest University of Technology and Economics*, Budapest.  
2009–2015 **Physics BSc.**, *Budapest University of Technology and Economics*, Budapest.

## Theses

### Bachelor degree

- Title The noise as signal  
Supervisor Professor Dr. Csonka, Szabolcs  
Description Creating a highly sensitive measurement system, which was calibrated by measuring thermal noise of resistors at cryogenic temperatures.

## Experience

### Vocational

- 2017–Present **Lead Data Analyst**, *Nokia Networks*, Budapest.  
Developing BI dashboard for the senior management  
2014–2017 **Software Engineer**, *Nokia Networks*, Budapest.  
Developing SIP interface of 3G Core MSS  
2013–2014 **Intern**, *Nokia Networks*, Budapest.  
Developing Java based web applications  
2010–2014 **Lab trainee**, *BUTE Faculty of Science Nanophysics Lab*, Budapest.  
Developing measurement automation and making thermal noise measurements

### Teaching

- 2013 **Analysis for architecture students**, *Budapest University of Technology and Economics*, Budapest.  
2013 **Introduction to data collection and analysis**, *Budapest University of Technology and Economics*, Budapest.  
2012 **Analysis for architecture students**, *Budapest University of Technology and Economics*, Budapest.

### Miscellaneous

Baranyai u. 1 5/2 – 1117 Budapest – Hungary

☎ +36203133814 • ✉ [hodossy.szabolcs@gmail.com](mailto:hodossy.szabolcs@gmail.com)

🌐 <https://hu.linkedin.com/in/szabolcs-hodossy-228b32116>

2013 **Intern**, *University of Regensburg*, Regensburg.  
Summer internship, taking criogenic experiments

## Languages

English Fluent, advanced certificate of type C  
German Basic

## Computer Skills

Advanced Python, C, Git  
Intermediate HTML5, CSS, Javascript, Linux, MS Office 365, Google Docs  
Basic SVN, Jira, Cloud computing

## Skills

Mathematics Stochastics, Machine Learning, Data Mining, Data Visualization  
General Adaptive, Agile (Scrum, Kanban, DevOps), Fast-learner

## Interests

### Professional

Finance Trading algorithms, Portfolio Management and Optimalization  
Big Data Various applications of machine learning

### Personal

Workout Crossfit, Functional training, Tennis, Squash  
Carpentry Making my own furniture

*Baranyai u. 1 5/2 – 1117 Budapest – Hungary*

📞 +36203133814 • ✉ [hodossy.szabolcs@gmail.com](mailto:hodossy.szabolcs@gmail.com)  
🌐 <https://hu.linkedin.com/in/szabolcs-hodossy-228b32116>

**HR Department**  
*Morgan Stanley*

25. August 2017.

Dear Sir or Madam,

I am a soon to graduate Mathematics major at Budapest University of Technology, but I have been working at Nokia since 2014 as a Software Engineer, and from April as a Data Analyst Lead. I was always a science enthusiast, therefore I am interested in your Data Scientist job opening.

At university, first I learned physics, but later I drifted to probability theory, and later I have started to take interest in machine learning and data mining. As school projects I have created a score card developing program for credit card loans, using various machine learning algorithms, such as Logistic Regression, Gradient Boosting and Random Forest. I have also developed a model for estimating CVA values (a price correction used to mitigate the risk associated to the counter-party default of a specific deal) for options based on stock price history, getting to know expert combining and Monte Carlo methods. As a data analyst, now I am leading a small group responsible for a BI dashboard for executives. The tasks consist of automated data collection for different KPIs, making connections between various data sources, developing predictive and statistical models and presenting the results using the Power BI application. From time to time we also support other organization units to extract more information from their data.

I believe that this combination of knowledge is not so common, and can make me a strong candidate for this job. The practice I have acquired during my academic years as a trainee, and the scientific approach secured during my education combined with my history in Nokia ensures that I am qualified for this job.

I hope I managed to arouse your interest in me as a successful applicant for the job. I am looking forward your answer!

Yours faithfully,

**Szabolcs Hodossy**

*encl: Curriculum Vitae*

**Szabolcs Hodossy**

*Baranyai u. 1 5/2 – 1117 Budapest – Hungary*

☎ +36203133814 • ✉ [hodossy.szabolcs@gmail.com](mailto:hodossy.szabolcs@gmail.com)

🌐 <https://hu.linkedin.com/in/szabolcs-hodossy-228b32116>

3/3