JAN SILA

PERSONAL INFORMATION

Kozakovska 466/3, Praha 10, 104 00, Czech Rep.

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Social LinkedIn · GitHub · StackExchange

WORK EXPERIENCE

10/17-present **Software developer**

SmartEE

Developing a machine learning based application called Searpent, which identifies frauds in the car insurance industry. Also working on an engine analysing logo visibility in TV streams.

10/16-10/17 **Data scientist**

Freelancer

Participated in several projects focused on machine learning and data science. Worked in various teams with 'full–stack responsibility' for designing, implementing and deploying solutions as well as presentation to the clients. Projects included methods from econometrics and image processing, to advanced neural nets schemes.

10/14-07/15 **Financial analyst**

Roklen Fin

Responsibilities included covering Czech bluechip equities and preparing daily morning calls for the trading floor. Proved reliable and enhanced quick-thinking abilities and improved my global business awareness.
Demonstrated an enormous resilience and commitment to the company working long hours while studying at a university. Furthermore, proved managerial skills by founding Roklen College - project of promoting the company around universities by organizing lectures and events.

EDUCATION

2011-present **Charles University, Prague**

***PhD** in Economics*

Currently · Thesis: *Modern portfolio and risk management methods*
Publications: Quantifying Endogeneity of Cryptocurrency Markets - European Journal of Finance submission

***MSc** in Finance and Banking*

Summa Cum Laude · Thesis: *Minimization of Expected Shortfall under α-Levy distributions*
Modules: Advanced Econometrics, Quantitative Finance I-II, Financial Markets Instruments I-II, Applied Econometrics, Robust Statistics and Econometrics, Private Equity.

Extra-curricular: E-klub Economics Society

***BSc** in Economic Theories*

2:1 honors · Thesis: *The application of technical analysis on algorithmic trading*
Modules: Mathematics I-IV, Microeconomics I-II, Macroeconomics I-II, Financial Accounting, Statistics, Advanced Statistics, Econometrics I-II, Quantitative Multivariate Finance, Strategic Management

2015-2016 **University of Leicester**

***MSc** in Financial Mathematics*

Distinction · Thesis: *Benefits of denoising of the covariance matrix - RiskCare industry project*
Modules: Financial Mathematics I+II, Financial Risk, Scientific Computing, Methods for PDE, Advanced algorithms in C++, Data mining and Neural Networks, VBA training.

Extra-curricular: University Rugby Union Team, 'UoLoL' Kaggle team founder

2007-2011 **Johannes Kepler Grammar School, Prague**

Maturita

GPA: 1.0 · *summa cum laude*
Graduating as the top of the year from one of the most prestigious secondary school in the country. Recipient of Oundle School scholarship, participant of Mathematics Olympiads.

9-12/2010 **Oundle School, Oundle, United Kingdom**

Scholarship

Full scholarship founded Michaelmas term in 2010. AS-level Maths, Pre-U Economics, Pre-U Government and Politics and History. Joined the rugby team and continued in Prague.

Extra-curricular: Sports coaching - volunteering for local orphanage.

COMPUTER LITERACY

Intermediate	HTML, MATLAB, SQL, No-SQL DB, Django, JavaScript
Advanced	LaTeX, C++, Python, R, AWS Cloud Computing, Docker

OTHER INFORMATION

- 2014 · Bloomberg BAT 600 pts, 97^{th}%ile
- 2015 · Top 3 in Czech's final of KPMG's ICC
- 2016 · Winner of Deloitte Applied Analytics Challenge
- 2017 · Winner of Deloitte Applied Analytics Challenge
- 2017 · Best Dissertation Award – Leicester Maths dept.
- 2018 · Kiwi.com SummerCamp participant

- CZECH · Fluent
- ENGLISH · IELTS 8.5
- FRENCH · Basic