Ondřej Vostal

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Work Experience

2014/10 →2015/03   **adidas Group**, *Intern*, Systems excellence, Global IT.
- Designed and implemented a proof-of-concept solution for discrete choice modeling and market simulation.
- Researched possible methods for automated search for similar products based on product pictures.

2014/05 →2014/09   **Apollo soft, k.s.**, *Technical support lead.*
- Lead of a support team consisting of five workers.
- Deployed Nagios monitoring and NTP on most servers.
- Administered GNU/Linux, MySQL, JBoss and automated backups.

Apollo soft develops, hosts and supports video-lottery-terminals.

2010/11 →2014/10   **IGNUM, s.r.o.**, *Linux administrator, part-time.*
- Responsible for the design and implementation of an incremental MySQL backup.
- Designed and implemented DNSSEC WEB-service, now in heavy use.
- Deployed a virtual server infrastructure for mail farm.

Ignum is a Web-hosting and Server-hosting company and a Domain Name Registrar.

2005/01 → 2012/10   **Sdružení Přátel Internetu, o.s., non-profit**, *Chairman of the Technical committee, part-time.*
- Planned, installed and serviced the central Linux servers and the core network.
- Lead the Technical committee (three other technicians were in the committee).

The employer was an internet-related society with 80 members.

Education and Training

2014/10 →   **Study of stochastic analysis in a Master's program,** field: Probability, mathematical statistics and econometry, program: Mathematics, *Charles University in Prague*, Faculty of Mathematics and Physics.
Expected graduation: 2017/04.

2008/09 → 2014/01   **Bachelor,** program: Mathematics, *Charles University in Prague*, Faculty of Mathematics and Physics.

State exam in **probability theory** and mathematical statistics, linear algebra and geometry, **mathematical analysis**.
Earned an **excellent grade**.

Bachelor's thesis: *Mixing processes on finite alphabets.* Abstract: We study general random processes, Markov chains and Markov chains with finite alphabet. For Markov chains some mixing qualities are equivalent. For Markov chains with finite alphabets all mixing qualities are equivalent. We give examples of processes showing that the above equivalencies don't hold if more general processes are considered.

2008/09 → 2012/06	**Bachelor of Economics,** program: Economics and Public administration, *University of Economics, Prague*, Faculty of Economics and Public Administration.

State exam in **microeconomics** and **macroeconomics**.

Bachelor's thesis: *How True is the True Money Supply?* Abstract: The Autstrian economists hold that the True Money Supply is theoreticaly superior to the classical one. Using Czech Republic data, I verify whether it could also be superior empirically. I use regression in the frequency domain based on the equation of exchange. The indicators are not found to differ considerably.

Membership in Societies

○ Matfyz Alumni board member
○ Charles University In Prague Chapter of SIAM

Personal Skills and Competences

Language Abilities
Czech — Native, English — Fluent, German — Fluent, Russian — Beginner

Experiences with statistical methods
○ Random and mixed effects models
○ Multinomial logistic models
○ Hierarchical Bayesian models of discrete choice
○ Design of experiments
○ Regression in the frequency domain

Computer Skills
Programming Languages

2000+ lines
R, Perl

500+ lines
Python, Java, C#

working knowledge
Tcl, Prolog

Operating Systems Administration
Five years professional part-time administation of **GNU/Linux** and **Bash**.

Other Skills
SQL, LaTeX, HTML+CSS, Make

Hobbies

○ Running — 10km per week
○ Bonsai garden