

# Pentti Sunila

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## EXPERIENCE

- IBM Global Services  
*Trainee, Cloud App Migration Services* 2018 - present
- Client work for a public sector client.
  - Keywords: cloud transformation, automated testing, information security
- TV Tools  
*Developer* 2018
- Worked as a software developer on various front and back-end solutions related to media delivery, asset and log management, and monitoring.
  - Worked with: Docker, Elasticsearch, Grafana, Low level binary protocols, hardware network interfaces, C#, Ruby, React.js, Lawo VSM
- Nixu Corporation  
*Summer Trainee, Situational Awareness* 2016
- Evaluated various security software solutions.
  - Worked with: IBM QRadar, ELK Stack, LogPoint, AWS, RHEL, CentOS, Debian, Windows Server, Python, Bash, Ruby, Perl, Metasploit
  - Participated in an informal information security contest (CTF), Cyberlympics 2016, as captain of Nixu summer intern team "Fuzzbuzz"
- Hyrylän yläaste  
*Substitute teacher* 2015
- Taught maths, chemistry, and programming to grades 7 - 9
- University of Helsinki  
*Assistant* 2009
- Performed two weeks' school related work practise (TET) at the Department of Finnish

## EDUCATION

- University of Helsinki* 2013 - present
- I'm a mathematics major, my minor subjects are statistics and Hungarian.
- Completed credits: 300+, with aim to graduate 2020
  - My bachelor's thesis was on the mathematical methods involved in X-Ray tomographic reconstruction
  - Masters' thesis specialization in convex optimization and variational analysis
  - Courses of note: Inverse Problems, Statistical Inference with R, Mathematics of infectious diseases
  - Additional cultural & linguistic studies, especially on finno-ugristics
- Tikkurilan lukio* 2010 - 2013
- Graduated in 2013 with a bilingual IB Diploma.
- I performed volunteer service at Heureka Science Centre as part of the CAS (Creativity, Action, Service) program.
  - I wrote my Extended Essay on the construction of real numbers from the rationals.
  - My Higher Level subjects were Finnish A, Mathematics, and Chemistry; Standard Level subjects were English A, Philosophy, and Physics.

## SKILLS & INTERESTS

- Languages: Native Finnish, fluent English. Basic level Swedish, Hungarian. Currently studying Chinese.
- Self study: for example, I have completed and audited several free courses on the Coursera online platform, including:
  - Machine Learning
  - Social Network Analysis
  - Advanced Competitive Strategy
- Arts & culture interests