Kamila Součková

I identify problems in systems before they eat your time, your product, and your family dog.

✉ me@kamila.is   ➤ https://kamila.is   📍 Zurich, Switzerland

Work & Volunteer Experience

2019-present:

Research Engineer, Site Reliability Engineer at Network Security Group (https://netsec.ethz.ch/), ETH Zurich
design and operations of the SCIONLab (https://scionlab.org) global research network; work on high-performance network applications

2018:

Head of Site Reliability Engineering for Data Center Light (http://datacenterlight.ch) at ungleich (http://www.ungleich.ch/)

summer 2015:

Site Reliability Engineering intern at Google Switzerland (Borg SRE)

summer 2014:

Site Reliability Engineering intern at Google Switzerland (Payments SRE)

2014–2017:

- contributed to the Student Development Team (https://github.com/fmfi-svt) at my university (development and server administration)
- designed and developed the backend of an in-house solution for an RFID-based access control system (Project Deadlock (https://github.com/fmfi-svt-deadlock))
- learned more about how operating systems work by making one from scratch (chaOS (https://github.com/AnotherKamila/chaOS))
- server administrator for Trojsten (http://trojsten.sk/) – Linux and FreeBSD servers with diverse uses
- helped with organizing competitions and educational activities for students, giving various talks

2012–2013:

software engineer at MicroStep - MIS (www.microstep-mis.sk (http://www.microstep-mis.sk/))

2009–2012:

web developer (front-end) at Lighting Beetle (www.lbstudio.sk (https://www.lbstudio.sk/))

2010, 2011:

contributed to several open-source projects as a participant of Google Code-In (https://code.google.com/opensource/gci/)

Education ────────────────────────────────

2016–2019:

> Department of Computer Science, ETH Zurich, Switzerland: MSc Computer Science, focus Information Security
>
> Thesis topic: FPGA-based line-rate packet forwarding for the SCION future Internet architecture – hardware-software co-design, work across the whole network stack, SDN (with P4); achieved 40Gbps throughput

2013–2016:

> Department of Computer Science, Faculty of Mathematics, Physics and Informatics, Comenius University in Bratislava, Slovakia: BSc.

Skills ────────────────────────────────

- quick at absorbing information and learning new things
- system design with emphasis on reliability, scalability and correctness
- security-conscious
- algorithmic skills
- languages: English (fluent), Slovak (native speaker), Czech (fluent), German (basic)
- experience giving lectures about science (mainly computer science, physics and astronomy) at various institutions
- presentation skills
- an ever-increasing list of programming languages, database environments, operating systems and other technologies
- I know regular expressions! (https://xkcd.com/208/)

Select Awards and Achievements ────────────

International:
- International Young Physicists' Tournament (http://www.iypt.org): silver medal in 2013, 2011, 2010; bronze medal in 2012
- Internet Problem Solving Contest (http://ipsc.ksp.sk): 26th among high-school teams in 2012; 17th among 1-member high-school teams in 2011
- Google Code-In (https://code.google.com/opensource/gci/2010-11): completed 3 tasks in 2011 and 2010

National:
- Correspondence Seminar in Programming (https://www.ksp.sk), category T (elite): 1st in 2012, 2013

- Young Physicists' Tournament (http://www.tmfsr.sk), State round: 1st / gold medal in 2010, 2011, 2012
- Olympiad in English Language, State round, category 2B: 1st / gold medal in 2012