Kamila Součková

passionate about science and technology, freedom, and challenges

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Work & Volunteer Experience

current:
- Head of Site Reliability Engineering for Data Center Light at ungleich
- server administrator for Trojsten – Linux and FreeBSD servers with diverse uses

summer 2015:
  Site Reliability Engineering intern at Google Switzerland

summer 2014:
  Site Reliability Engineering intern at Google Switzerland

2014–2016:
- contributed to the Student Development Team at my university (development and server administration)
- designed and developed the backend of an in-house solution for an RFID-based access control system (https://github.com/fmfi-svt-deadlock)
- learned more about how operating systems work by making one from scratch (https://github.com/AnotherKamila/chaOS)
- helped with organizing competitions and educational activities for students, giving various talks

2012–2013:
  software engineer at MicroStep - MIS (www.microstep-mis.sk)

2009–2012:
  web developer (front-end) at Lighting Beetle (www.lbstudio.sk)

2010, 2011:
  contributed to several open-source projects as a participant of Google Code-In

Education

2016–present:
  Department of Computer Science, ETH Zurich, Switzerland: studying for Master's degree (est. 2019)

2013–2016:
  Department of Computer Science, Faculty of Mathematics, Physics and Informatics, Comenius University in Bratislava, Slovakia: Bachelor's degree

Skills

- good at complex system design with emphasis on reliability, scalability and correctness (I think like an SRE)
- 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

Technologies:
- Python *experienced – using at work and at competitions; language of choice for most personal projects*
- C, C++ *experienced – using at algorithm competitions, at work and in some personal projects*
- JavaScript and its flavours *experienced – using at work and in personal projects; experience with React and Node.js*
- go *intermediate – used at work*
- learning Haskell
- databases: SQL (PostgreSQL, MySQL, SQLite), NoSQL (Redis, MongoDB)
- web front-end technologies: HTML, CSS and assorted markup that compiles into these

- shell scripting *experienced*
- experienced with GNU/Linux and FreeBSD (including administration)
- I know regular expressions!

Select Awards and Achievements

International:
- International Young Physicists' Tournament: silver medal in 2013, 2011, 2010; bronze medal in 2012
- Internet Problem Solving Contest: 26th among high-school teams in 2012; 17th among 1-member high-school teams in 2011
- Google Code-In: completed 3 tasks in 2011 and 2010

National:
- Correspondence Seminar in Programming, category T (elite): 1st in 2012, 2013
- Young Physicists' Tournament, State round: 1st / gold medal in 2010, 2011, 2012
- Olympiad in English Language, State round, category 2B: 1st / gold medal in 2012

Free Time Activities

- flying small aircraft
- music, esp. playing flute
- art and handicrafts, graphics and design
- archery, hiking, puzzle hunts (e.g. TMOU)
- physics, astronomy, mathematics