Kamila Součková

passionate about science and technology, freedom, and challenges

date of birth
    1993/12/02

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Work & Volunteer Experience

summer 2015
    Site Reliability Engineering intern at Google Switzerland

summer 2014
    Site Reliability Engineering intern at Google Switzerland

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

current
- administering servers for Trojsten – heterogeneous Linux and FreeBSD servers with diverse uses (lots of fun!)
  (currently migrating to new infrastructure which will be simpler and easier to manage)
- contributing to the Student Development Team at my university (development and server administration)
- leading the development 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 implementing one from scratch (https://github.com/AnotherKamila/chaOS)
- helping organize competitions and educational activities for students, giving various talks

Education

University

2013 - present
    Department of Computer Science, Faculty of Mathematics, Physics and Informatics, Comenius University in Bratislava, Slovakia
    studying for Bachelor's degree (est. 2016)

High school

2012 - 2013
    School for Exceptionally Gifted Children, Bratislava, Slovakia

2008 - 2012
    Evangelical Lyceum, Bratislava, Slovakia – bi-lingual program (English + Slovak)

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

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

- learning to fly planes (both powered planes and gliders)
- hiking, puzzle hunts (e.g. TMOU)
- graphics and design, user experience
- physics, astronomy, mathematics
- archery, music (both listening to and playing), origami and other handicrafts, literature