Arash Rouhani

Arash.Rouhani@gmail.com   arashrouhani.com

PROFESSIONAL QUALIFICATIONS

- Chief Maintainer of luigi, a very popular open source task orchestrator.
- Second best Swedish participant in Google Code Jam 2010 and TopCoder Open 2010.
- Won the national Informatics Olympiad 2009. Represented Sweden in the International Olympiad in Informatics (IOI), Bulgaria 2009.
- Versed in many programming languages (Haskell, C++, C#, Java, Python, Ruby) and have tried out many paradigms (Reactive, Concurrency-Based, Logical).
- Linux user. I use github on a daily basis and I have written many zsh shell plugins.

EDUCATION

- Master's degree in Algorithms, Languages and Logic from Chalmers (2009-2014).
- Graduate level exchange student at Georgia Tech (2012-2013).

WORKING EXPERIENCE

Spotify, Developer, April 2014 and ongoing, Stockholm, Sweden

- I help other teams become more data-driven by developing tools and providing guidance. In particular I work a lot with Luigi and Apache Crunch.

Facebook, Software Engineer Intern, May-August 2013, Menlo Park, California

- I worked on an internal job scheduler and interfaced with HBase. The scheduler used reactive programming to handle that HBase region mappings can change. I replaced a map reduce job with one using the internal scheduler. The internal scheduler were two times as fast.

Spotify, Software Engineer Intern, June-August 2012 and 2011, Stockholm, Sweden

- In 2011 I designed and implemented a large test suite for their C API libspotify which significantly increased the code coverage. Many bugs were detected as a result, some of which I fixed. In 2012 I resolved concurrency issues their client program had. As a result, they now can use continuous integration and trust it, since the bug fixes removed intermittent failures.

Silobreaker, Software Engineer Intern, June-August 2010 and 2009, Stockholm, Sweden

- Built a mobile site, used Support Vector Machines, wrote a tokenizer, programmed a GUI.
- Became acquainted with Scrum and Test Driven Development.

OTHER MERITS

- Organizing the informatics contest in Sweden. I've authored about 30 tasks (with solutions and input data) and traveled to Estonia (2010), Denmark (2011), Latvia (2012), Taiwan (2014) and Kazakhstan (2015) as a team leader with the Swedish IOI team.