Tommy Mattsson

Contact information   **Address**

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github.com/Taddic

Education

M.Sc, Computer Science, Uppsala University, Uppsala, Sweden   **Ongoing**
Sino-Swedish Computer Science and Software Engineering, cooperation with Tongji University, Shanghai, China. Includes studying one year in Shanghai
Focusing on networking, distributed systems and software engineering.

M.Sc, Software Engineering, Tongji University, Shanghai, China   **Ongoing**
Sino-Swedish Computer Science and Software Engineering, cooperation with Uppsala University, Uppsala, Sweden.
Focusing on Software engineering and Chinese language.

B.Sc, Computer Science, Uppsala University, Uppsala, Sweden   May 2012
General computer science

Experience

Master thesis position, Ericsson, Shanghai, China   2013-01 – 2013-07
- Title of the thesis is "Content filtering". I were to design and implement Internet Content Adaptation Protocol (ICAP, RFC 3507) for a load test tool developed by Ericsson.
- Feature implemented in Erlang.
- Learned about telecommunication architecture, such as: GPRS, WCDMA, LTE, SGSN, GGSN, 3G, 2G, PGW, SGW, MME

Teacher assistant, Uppsala University, Uppsala, Sweden   2013-06 – 2013-08
Teacher assistant, Uppsala University, Uppsala, Sweden   2012-06 – 2012-08
- Teacher assistant for a class named "Peer-To-Peer computing".
- Improve previous Erlang labs with a better structure and user interface.
- Introduce Erlang to the students.
- Attend lab sessions and answer e-mails about lab questions.
- Grade lab exercises.

IT-Support, Uppsala University, Uppsala, Sweden   2010-10 – 2012-08
- Help students with IT related issues mainly regarding the UNIX and Windows computer halls at the IT department of the University.
- Maintain printers at IT department.
- Prepare new hardware and install operating systems and software, including UNIX/Linux, Mac and Windows systems.

System developer, Klarna AB, Stockholm, Sweden   2009-06 – 2009-10
System developer, Klarna AB, Stockholm, Sweden   2008-06 – 2008-08
- Developing features for Klarnas' online invoice system.
- Development performed in the programming language Erlang.
- Given more advanced features and slightly more responsibilities second summer due to improved skills in programming.

Project	**Sensor search engine,** Uppsala University, Uppsala, Sverige 2013-09 – 2014-01
	• Performed in the course "Project Computer Science" for my master degree. The goal of the course was to get a feel of what it is like to work in the industry. Our customer was Ericsson and we also had access to an expert at Sics (www.sics.se) Implementation was done mainly in Erlang and Ruby on Rails
	• Open source project hosted on github. https://github.com/projectcs13/sensor-cloud https://github.com/projectcs13/sensor-cloud-website

Language Skills

Swedish:	Native proficiency
English:	Professional working proficiency
French:	Elementary proficiency
Chinese:	Elementary proficiency

Programming language Skills

Functional Programming:	Erlang, Haskell, Lisp
Imperative programming:	Java, Python, PHP, C, C++
Web programming:	JavaScript, HTML, CSS, Ruby on Rails
UNIX/Linux:	Bash scripting, Makefile
App development:	Android API
Other:	LaTeX (this resume is created using LaTeX)

Computer software

IDE:	Eclipse, Netbeans
CVS:	Git, SVN
Webservers:	Apache, YAWS, Mochiweb
Editors:	Emacs
Databases:	Mnesia, Elastic Search, MySQL

Other skills   Project methodology: Scrum, Agile development

Non-profit activities

Training assistant, TianLong Kungfu, Stockholm, Sweden   2005 – 2006
- Start off Kungfu group training sessions with warm up and basic exercises. Lead entire kungfu sessions on occasion.
- Occasionally lead entire Kungfu sessions for adolescents, teens and adults.

Kitchen Volounteer, Vässarö scouting camp, Stockholm, Sweden   Summer 2005
- I was part of one of the two teams who prepared food for all of the volounteers at the Vässarö scouting complex.
- Prepared food in the large-scale kitchen of the Vässarö complex.

Sailboat instructor, Vässarö scouting camp, Stockholm, Sweden   Summer 2004
- Instruct and supervise adolescents, teens and adults in the usage and safety of sailboats and canoes.
- Accompanied scout troops on sailing excursions as teacher and supervisor.

Board member, Flemingsbergs scout troop, Stockholm, Sweden   2004
- Attend board meetings and look out for the overall interests of the scout troop.

Leader assistant, Flemingsbergs scout troop, Stockholm, Sweden   2004
- Assist the troop leader and look after the adolescents.
- Plan scout meetings and excursions for the adolescents.

References   Provided on demand.