

HamzaHAIKEN

Junior Software Developer

Contact

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Languages

French mother tongue
English fluent
German intermediate
Arabic father tongue
Japanese self-taught

Programming

Java 7 & 8, Scala,
Python, Haskell,
C, C++ 98 & 11,
CSS3, HTML5

About Me

Born in Switzerland,
on 19/11/1989.
Grew up programming,
playing music and
travelling around the world

Interests

Solving challenges
Self-learning new topics
Passion for elegant code

Education

- 2013 – 2015  **Bachelor of Science** in Computer Science and Engineering HEIG-VD, Yverdon-les-Bains
BSc Thesis : heig-vd
CRT – Cathode Ray Tracer
Java ray tracer with custom scene description scripting language
(grammar and parsing done with ANTLR4) and OpenGL live view
- Course highlights :
- **Play** for Scala by Cay HORTSMANN, with *ScalaJS* and *Spark*
 - Human-machine interface project on robot **NAO** for exhibition in Museum “*La maison d'ailleurs*”
 - Multi-tier application project using **Java EE**, *RAML* and *Docker*
 - **Agile** course on *AUP* & *XP* methodologies including group project
 - Dynamic single-page web application project with REST API using **AngularJS**, *Node.js* and *MongoDB*.
 - *Neural networks* and machine learning, *genetic algorithms*
- 2009 – 2013 *Bachelor Student* in Computer Science École Polytechnique Fédérale de Lausanne
- Course highlights : 
- **Scala** course by creator Martin ODESKY
 - Discrete structures course by Arjen LENSTRA
- 2008 – 2009 *Military Service* Wangen a. A. / Bremgarten
- Natural disaster response commando (*Katastrophenhilfebereitschaftsverband*)
- 2005 – 2008  **Federal Matura** Gymnase du Bugnon, Lausanne
- Physics and mathematics orientation
- Matura Thesis :
iGo – Un projet Python
Graphical game made in Python for playing the game of Go, with local and network play. Became the most borrowed thesis from the school's library during the next year
- ## Experience
- 2014 – 2015 *Various school tutoring jobs* Canton de Vaud
- 2010 – 2013 **École Polytechnique Fédérale de Lausanne** Lausanne
- Teaching Assistant* 
Assisting students in the logic systems course by Eduardo SANCHEZ
- 2012 **TIG Piping** Lausanne
- Designer*
Logo study & design
- 2010 **Random ICP** Morges
- Web Designer*
Re-designed company's static home page from scratch
- 2009 **Business & Decision** Geneva
- Web Designer*
Created static web page for CPM event