

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 BSc Thesis : <i>CRT – Cathode Ray Tracer</i> Java ray tracer with custom scene description scripting language (grammar and parsing done with ANTLR4) and OpenGL live view Course highlights : <ul style="list-style-type: none">• Play for Scala by Cay HORTSMANN, with <i>ScalaJS</i> and <i>Spark</i>• Human-machine interface project on robot NAO for exhibition in Museum “<i>La maison d’ailleurs</i>”• Multi-tier application project using Java EE, <i>RAML</i> and <i>Docker</i>• Agile course on <i>AUP</i> & <i>XP</i> methodologies including group project• Dynamic single-page web application project with REST API using AngularJS, <i>Node.js</i> and <i>MongoDB</i>.• <i>Neural networks</i> and machine learning, <i>genetic algorithms</i>	HEIG-VD, Yverdon-les-Bains heig-vd
2009 – 2013	<i>Bachelor Student</i> in Computer Science Course highlights : <ul style="list-style-type: none">• Scala course by creator Martin ODESKY• Discrete structures course by Arjen LENSTRA	École Polytechnique Fédérale de Lausanne 
2008 – 2009	<i>Military Service</i> Natural disaster response commando (<i>Katastrophenhilfebereitschaftsverband</i>)	Wangen a. A. / Bremgarten
2005 – 2008	 Federal Matura Physics and mathematics orientation Matura Thesis : <i>iGo – Un projet Python</i> 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	Gymnase du Bugnon, Lausanne
2014 – 2015	<i>Various school tutoring jobs</i>	Canton de Vaud
2010 – 2013	École Polytechnique Fédérale de Lausanne <i>Teaching Assistant</i> Assisting students in the logic systems course by Eduardo SANCHEZ	Lausanne 
2012	TIG Piping <i>Designer</i> Logo study & design	Lausanne
2010	Random ICP <i>Web Designer</i> Re-designed company's static home page from scratch	Morges
2009	Business & Decision <i>Web Designer</i> Created static web page for CPM event	Geneva