

HamzaHAIKEN

Junior Software Developer

Contact

 Ch. de Salette 24
1023 Crissier
Switzerland

 +41 78 889 97 85

 tenchi@team2xh.net

 tenchi.team2xh.net

 github.com/Tenchi2xh

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


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
BS 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
 - 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* École Polytechnique Fédérale de Lausanne
Course highlights: 
 - **Scala** course by creator Martin Odersky
 - 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

- 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