

# HamzaHAIKEN

Junior Software Developer

## Contact

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 [github.com/Tenchi2xh](https://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

## 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](https://github.com/tenchi2xh/CRT)  
*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* in Computer Science 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

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