

French – 16/10/1983
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Kenji Yamashita



SUMMARY

Software Engineer with 10+ years' experience in R&D projects and safety projects. I am in charge of several complex systems involving software and hardware components. My scope of responsibility starts from the collection of the need and ends at the delivery and maintenance of the system. I write system quality plan, validation plan, and configuration plan complying with IEEE and ISO standards. I define system architecture, including hardware and software. I coordinate or execute the software development and validation. I am familiar with mathematics, algorithmics, physics, nuclear, computer vision, web development, and agile development. I am quality oriented and keen on working on innovative R&D project.

WORK EXPERIENCES

2008 - 8 years

AREVA - reactors, Paris

Post: R&D engineer

- in charge of the calibration tool for neutron sensors for french, finnish and chinese EPR
- in charge of the core monitoring system for chinese EPR
- Definition of the section quality processes

Developed skills: standards & norms - software design and validation - SQL - XML - python - c++ - Qt - neutronics - nuclear power plants - english

2007 - 4 months

Advantest, Paris

Post: Mission in a japanese company in a R&D team, i worked on the optimisation of a high frequency spectrum analysis for telephony.

Developed skills: c - c++ - Qt - english - japanese

2007 - 6 months

Cliris - Behavioral analysis, Paris

Post: intern in a R&D team for behavioral analysis for marketing through computer vision.

Developed skills: fast image processing - computer vision - c++ - openCV - openMP - optimisation

2006 - 4 months

MSH - National center of research, Paris

Post: Intern in a R&D team on emotional states recognition of a dancer through her corporeal expressions.

Developed skills: image processing - computer vision - c++ - Qt - fuzzy logic

SKILLS

Languages

French: native speaker

English: fluent

German: basic communication skills

Japanese: basic communication skills

Engineering skills

Work environment: comfortable with Windows, Linux, OS X

Main programming languages: C, C++, Python, XML

Secondary languages: Java, HTML, CSS, PHP, SQL, assembler, VHDL, VB

General knowledge: OS architectures, maple, matlab, labview, TCP/IP, ethernet, protobuf, excel, access, UML

INITIAL EDUCATION

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|-------------|---|-------|
| 2004 - 2007 | ECE School of engineering Master's degree in embedded systems Specialities: R&D Option: international | Paris |
| 2002 - 2004 | Lycée Marcellin Berthelot preparatory classes - major in mathematics | Paris |

ADDITIONAL TRAININGS

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|---------------|--|----------|
| 2011 - 2017 | Moocs Inria Python 3, Inria big data | Paris |
| 2009 - 2011 | Supelec professional trainings for designing complex systems | Paris |
| 2006 - autumn | Polytechnique semester in embedded systems, real time and robotics | Montreal |
| 2005 - 2006 | Conservatoire National des Arts et métiers evening courses in AI and intelligent systems | Paris |
| 2004 - autumn | Staffordshire University semester in electronics | England |

PERSONAL

Side projects

- 2017 - freelancer as a web-developer in HTML/JS/CSS/PHP/Python
- 2017 - atlantic crossing with a sailboat
- 2015 - participation to developments of a family tree website in Django
- 2013 - development of a website in Django for a start-up
- 2005 - interactive juggling balls based on localisation by ultrasound
- 2004 - theater spotlight tracking system

Interests

- Squash (national competitions)
- Sailing instructor
- Skiing, diving, guitar, flute, juggling, photography, programming
- Travels to Asia, Europe, and Canada
- Founder of the juggling club of ECE – former president of the ECE NGA (Network Gaming Association)

Licenses

- French driving license
- French boat license
- Sailing instructor
- Radio telephonist

References are available upon request.