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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 - XML - python - c++ - Qt - neutronics - nuclear power plants - english

2007 - 6 months

Cliris - Behavioral analysis, Paris

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

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

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

2003 - 2006

Euro Cap - import from japan, Paris

Post: IT administrator and developer of an invoicing software for the company.

Developed skills: c++ - GTK - SAGE - english

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

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

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

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
French motorbike license
Sailing instructor
Radio telephonist

References are available upon request.