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Information Technology Engineer

Educational Experience

- 2011-2014** Polytech Tours, department information technology
Public Courses: C/C++, Java/J2ee, web programming (php, html, css, JavaScript), C#.net; Data Structures and Algorithms, Graph Theory, scheduling management; Project management, Systems management, network management, operating systems Unix, compiler; artificial intelligence, method of resolution, data analysis, pattern recognition etc.
Option profession: intelligence environnement, Signal processing, image processing.
- 2007-2011** School of Software Technology, Dalian University of Technology
C/C++, Java/J2ee, Databases, data structures and algorithms, network management, routing and switching technology, operating systems, compiler theory etc.

Career Experience

- 2015.3-today** - Software Engineer, MeteoDYN, Nantes France
- ✧ Responsibility: requirements analysis, technical documentation, design application architecture, coding, debug, testing, maintenance, technical support.
 - ✧ Related projects: « Forecast Wind/Sun » « Wind Turbine (WT) » « Shanghai Electric » « Mission M1 ».
 - ✧ Technical: C#.net, php, html, css, JavaScript, Sql server, SQLite, Rest Api, Nunit, Git, SVN, Jenkins, Mantis etc.
- 2014.5-2014.10** - Software Engineer (practice), Orion Concept, Tours France
- ✧ Responsibility: requirements analysis, technical documentation, coding, debug, testing, maintenance.
 - ✧ Related projects: « Skin Flow Scan (SFS) » « HeadScan Dynamics ».
 - ✧ Technical: C#.net, Java, ImageJ, OpenCV/EmguCV, Latex, InnoSetup etc.
- 2013.6-2013.9** - Software Engineer (practice), Orion Concept, Tours France
- ✧ Responsibility: requirements analysis, coding, debug, testing, maintenance.
 - ✧ Related projects: «Extraction intensity profiles on medical original images» «Steering the industrial camera».
 - ✧ Technical: C#.net, Java, ImageJ, Latex, InnoSetup etc.

Skills

Technical

- ✧ Language: C#.net, Java/J2ee, C/C++, php, html, css (bootstrap), Javascript (Jquery, AngularJS), xml, json etc.
- ✧ Databases: Sql Server, MySql, Sqlite, Oracle.
- ✧ OS: Windows, Linux.
- ✧ Software: Visual Studio 2008/2010/2012, Eclipse, NetBeans, QT5, CodeBlocks, EasyPhp, Cplex Studio, Matlab, Rstudio, SQL Server Management Studio, Atom etc.
- ✧ Others: UML, Git, SVN, Jenkins, Mantis, Redmine, Latex, ImageJ, OpenCV/EmguCV, InnoSetup etc.

Language

- ✧ Chinese: Mother tongue.
- ✧ French: Good.
- ✧ English: Good (CET 6, TOEIC 835).

Self-evaluation

- ✧ Good at thinking and learning; Be responsible and with good attitude for task; Have favorable communication skills and team spirit; Have good technical basis, master a variety of techniques, be able to perform a variety of projects.
- ✧ Mostly Development experience are back-end development; and be very interested in front-end; equally keen on software architecture design; career goals, Architect + full-stack engineer.

Projects Experience

1. Shanghai Electric, MeteoDYN, Nantes France, 2015.11-2016.7
 - ✧ **Description:** Develop a web service, provide the following functions, user management, wind farm site management, wind turbine type management, file management, computational fluid dynamics, wind resource assessment, wind turbine position optimization, etc.
 - ✧ **Responsibility:** requirements analysis, technical documentation, design application architecture, coding, debug, testing.
 - ✧ **Development Tools/Language:** C#.net, Visual Studio, Sql server, NUnit, Nancy, Rest Api, Javascript, json, Ajax, ApiDoc, IIS, Jenkins, Git, Mantis, Redmine.
2. Forecast Wind/Sun, MeteoDYN, Nantes France, 2015.3-today
 - ✧ **Description:** There are two software, wind resource prediction/solar energy resources prediction, add new features, development of the new version.
 - ✧ **Responsibility:** requirements analysis, technical documentation, design application architecture, coding, debug, testing, maintenance, technical support.
 - ✧ **Development Tools/Language:** C#.net, Visual Studio, Sql server, SQLite, Jenkins, Mantis, SVN, InnoSetup.
3. Wind Turbine (WT), MeteoDYN, Nantes France, 2015.3-2015.10
 - ✧ **Description:** Existing wind resource assessment and simulation software, add new features, development of the new version.
 - ✧ **Responsibility:** requirements analysis, technical documentation, design application architecture, coding, debug, testing.
 - ✧ **Development Tools/Language:** C#.net, Visual Studio, Sql server, Jenkins, Mantis, SVN, InnoSetup.
4. Mission M1, MeteoDYN, Nantes France, 2016.1-2016.2
 - ✧ **Description:** Develop web application to assess the relationship between the building and placement of the crane position in France.
 - ✧ **Responsibility:** requirements analysis, technical documentation, design application architecture, coding, testing, maintenance, technical support.
 - ✧ **Development Tools/Language:** php, html, css, Javascript, JQuery, Ajax, SVN, Atom.
5. Skin Flow Scan (SFS), Orion Concept, Tours France, 2014.5-2014.10
 - ✧ **Description:** Use VivaScope and VivaScan can scan the skin and get videos. Developing software, analyze the obtained video or real-time video. Within the detection unit of time, by the number of red blood cells. To determine the stability of the patient.
 - ✧ **Responsibility:** requirements analysis, technical documentation, design application architecture, coding, debug, testing, report.
 - ✧ **Development Tools/Language:** C#.net, Visual Studio, ImageJ, Matlab, EmguCV, FFmpeg, InnoSetup, VivaScope/VivaScan.
6. HeadScan Dynamics, Orion Concept, Tours France, 2014.4-2014.12
 - ✧ **Description:** There is a software for patient and camera positioning. Automation shooting a group of pictures with different angles, brightness, filters. Debug and add new features.
 - ✧ **Responsibility:** requirements analysis, technical documentation, design application architecture, coding, debug, testing, maintenance.
 - ✧ **Development Tools/Language:** C#.net, Visual Studio, Java, Eclipse, Phidgets, ImageJ, Excelsior JET, InnoSetup.
7. Calcification monitoring on an aorta, School Project, 2014.1-2014.5
 - ✧ **Description:** There is a series of pictures which is a sectional view of the aorta, each picture has a distribution of calcification. Size and location of Calcification vary in different picture. Develop a software that automatically track the calcification area.
 - ✧ **Responsibility:** requirements analysis, technical documentation, design application architecture,

coding, testing, report.

✧ **Development Tools/Language:** Java, Eclipse, ImageJ.

8. Analyze and development of a fusion method for the classification of documents by classifiers 1-class, End of studies' project, RFAI Team of the Computer Laboratory Tours, 2013.9-2014.5

✧ **Description:** All documents are images, depending on their contents, the documents can be classified as checks, letters, reports, and more. Using a plurality of single-class classifier to classify the document, the results obtained by different classifiers may be different, so need to develop a method of merger, make the resulting classification as perfect as possible.

✧ **Responsibility:** requirements analysis, technical documentation, design application architecture, coding, testing, report.

✧ **Development Tools/Language:** C#.net, Visual Studio, AForge.NET, xml, single-class classifier, Git, Redmine.

9. Extraction intensity profiles on medical original images, Orion Concept, Tours France, 2013.6-2013.9

✧ **Description:** Existing medical skin image, in the image to extract the gray level distribution, in order to establish the characteristics of a series of images; then quantify these characteristics in order to exhibit the characteristics of different biological tissues.

✧ **Responsibility:** requirements analysis, technical documentation, coding, debug, testing, report.

✧ **Development Tools/Language:** Java, Eclipse, ImageJ, Jmathplot.

10. Steering the industrial camera, Orion Concept, Tours France, 2013.6-2013.9

✧ **Description:** Develop a tool to control the IDS uEye industrial cameras

✧ **Responsibility:** requirements analysis, technical documentation, design application architecture, coding, testing, report.

✧ **Development Tools/Language:** C#.net, Visual Studio, IDS uEye.

11. Scheduling of identical multiprocessor in a computing grid, School Project, 2013.2-2013.5

✧ **Description:** Develop and test an algorithm for scheduling of identical multiprocessor in a computing grid.

✧ **Responsibility:** Analyze example, propose algorithm, coding, testing, algorithm summary, written reports

✧ **Development Tools/Language:** C/C++, Visual Studio, Cplex Studio.

12. Control volume of goods, School Project, 2012.10-2013.5

✧ **Description:** Containers load the cargos with different volume, develop a software to analyze the available space of container by obtaining videos and images.

✧ **Responsibility:** requirements analysis, technical documentation, design application architecture, coding, testing, report.

✧ **Development Tools/Language:** C++, Visual Studio, QT5, OpenCV, Git, kinect, binocular camera.

13. Study of the Sphero platform, School Project, 2012.9-2013.1

✧ **Description:** Sphero Android application development. By Android phone to control Sphero ball run routes and change color.

✧ **Responsibility:** requirements analysis, technical documentation, design application architecture, coding, testing, report.

✧ **Development Tools/Language:** Java, Eclipse, Sphero, Android phone.

14. JezzBall game development on Nintendo DS, School Project, 2012.1-2012.5

✧ **Description:** Develop and test the game JezzBall.

✧ **Responsibility:** requirements analysis, technical documentation, design application architecture, coding, testing, report.

✧ **Development Tools/Language:** C, CodeBlocks, PAlib, devkitPro, Nintendo DS.