Yan DAI

PERSONAL DATA

DATE OF BIRTH:	27 December 1989
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CAREER OBJECTIVE

Seeking a role in software development and programming, that will add to my practical skills and working experience. I am hard working, reliable and keen to work in a forward thinking team. I am creative, independent and a good communicator with a desire to acquire new skills as well as advance existing skills.

My aim is to work as a software architect, software developer or software tester, eventually having responsibilities in software architecture, business analysis and project management.

EDUCATION

2009-2013   Bachelor of Engineering (Hons) in SOFWARE ENGINEERING,
Victoria University of Wellington, Wellington
Honours Project: "PSO for Feature Construction and Binary Classification"
Published Paper: *New Representations in PSO for Feature Construction in Classification*
Advisor: Prof. Mengjie ZHANG

2008- 2009   Certificates in English Proficiency and Foundation Studies
Victoria University of Wellington, Wellington

TECHNICAL SKILLS

SKILL DESCRIPTION	EXPERIENCE	LEVEL
PROGRAMMING SKILL		
Java (J2SE, J2EE)	Paid	Advance
Artificial Intelligence	Practical	Advance
Unix/Linux	Practical	Intermediate
C#	Paid	Basic
Scala	Practical	Basic
DATABASE PROGRAMMING		
SQL Server	Practical	Intermediate
MySql	Practical	Intermediate
PostgreSql	Practical	Intermediate
Cassandra	Paid	Intermediate
WEB DEVELOPMENT		
SpringMVC, JAX-RS	Practical	Basic
HTML	Practical	Basic
Javascript	Practical	Intermediate
JQuery	Practical	Intermediate
JSP	Practical	Intermediate
PROJECT MANAGEMENT		
Agile Methodology	Practical	Intermediate
Project Management	Practical	Basic

Work Experience

Nov 2013-Current	Software Engineer at Syl Research Ltd., Wellington *Enterprise Search Engine Using Java* Developed new client agents for IBM LotusNotes, Google Drive, Evernote, Dropbox and Twitter. Developed a module for extracting embedded documents from MS word, excel and powerpoint. Main Developer for WordPerfect Document parsing function. Developed a RESTful API for metadata services. Researched on topic related to Optimal Character Recognition.
Aug 2013-Jan 2014	Software Developer at PriceTech, Wellington *Web Based Applications Using .Net* Maitenance of existing Pricetech Client Applications Software developement using C# and ASP.Net for the web-based price application. Software requirements gathering, including meeting clients, software requirements design.
Jan 2013-Mar 2013	Summer Intern at Fronde Systems Group, Wellington *Auto Billing Reporting System in Java* Requirements analysis for understanding the complex charging rules and implementing these complex rules. Software Architecture design: designing the basic structure of the system, helping with deciding the programming language and demonstrating the software architecture to the stakeholder. Software Design: using UML to design the software, interface design and demonstrating the software design to the stakeholder. Software Implemention. Team Management as a Scrum Master for our agile methodology.
Nov 2012-Feb 2013	Research Assistant at Victoria University of Wellington, Wellington *Evolutionary Computation for Data Manipulation and Using Particle Swarm Optimisation (PSO) for Feature Construction* Published Paper: *PSO for Feature Construction and Binary Classification* Research and Design on the related algorithm. Implementing the designed algorithm in Java. Recording and analysing the experiment results.
Mar 2012-July 2013	Tutoring at Victoria University of Wellington, Wellington Tutoring on the Engineering 101, Computer Science 261 and Network Engineering 241 course. Tutoring lab sessions attended by up to 40 students. Assignment marking. Running help desk for up to 20 students each week.
Feb 2012–June 2012	Volunteer Software Engineer at Habitat for Humanity, Wellington *Database system for storing the Habitat for Humanity project information* Requirements analysis for the input data the customer wants to store into the system, how the customer wants to search the data. Team management such as holding an achievement meeting, helping with deciding the project scope. Java implementation for the functionality part such as implementing new functionalities into database.
Nov 2011-Feb 2012	Software Engineer at Beijing ShenZhou Aerospace Software Technology Co., Ltd, Beijing, China *Knowledge based engineering management project for China Aerospace Science & Industry Corp (CASIC) including data mining, searching engine and Auto error detection function* Help with requirements analysis for the functions of knowledge acquisition, assessment of the problem, revision and evaluation system. Research on the related algorithm such as the Genetic Programming, Support Vector Machine, Bayesian Network. Research on Java implementation plan for using AI algorithms to achieve a particular objective.

Achievements

Membership of IITP

Honours Degree of Engineering in Software Engineering and Achieving a B+ average for all past four years courses

Have published two papers for Genetic and Evolutionary Computation Conference (GECCO) 13 and EvoApps 2014

Deciding to take on the challenge of study and a career overseas, despite being offered a place at a first class university in China

Interests and Activities

Technology, Reading, Programming

Have been learning and playing the accordion for nine years.

Like taking part in other social and competitive sports such as soccer, basketball, table tennis and badminton

Languages

English: Fluent
Chinese: Mother tongue

Referees

Debbie Murphy

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Hongjun Wang

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