

Shenbo Xuan *Software Developer*

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Summary

A reliable, hardworking and enthusiastic final year Computer Science & Statistics student seeking software development opportunities that lead me to the first step to success.

I have been interested in mathematics and numbers since childhood. When I entered university I chose Computer Science as my major because I wanted to explore more in the technology area. At the same time I was doing a minor in Mathematics. I have changed it

to a Statistics major, because it is more useful in solving real world problems than pure mathematics.

My time is filled with my university assignments and part-time jobs. However I try to enjoy my life without a monitor whenever I get a chance. For example recently I have become interested in sustainable development. Therefore I am trying my best to recycle and not to waste food. I also go to the gym regularly to keep myself alive.

Skills

Programming languages: Java (*mother tongue*), Python (*professional proficiency*), C (*limited working proficiency*), R (*limited working proficiency*), JavaScript (*elementary proficiency*) and C# (*beginner*).

Technical skills: Object Oriented software implementation, within a team. Algorithms implementation and analysis. Machine learning algorithms. Git. Understanding in agile methodologies and other process models. PostgreSQL and database engineering knowledge gained from university courses. Linux, command line, shell scripts. Some experience in front end programming: HTML, CSS and JavaScript.

Other skills: Clear communication skills. Practiced research skills. Solid mathematics and statistics skills. Ability of learning. Time management.

Experience

EDMI

WELLINGTON, NEW ZEALAND

Software Developer

Nov 2016 – present

EDMI is one of the leading Smart Energy Solutions providers in the world. Software Wellington works closely with teams in Australia and Singapore to deliver high quality software.

As a developer at EDM, I mainly developed an Angular application and a J2EE web application. The technology I used include Java, Jackson, Spring, Spring MVC, JSP, Typescript, HTML, CSS, SQL Server etc.

I was also heavily involved in technical writing, including both internal and customer faced documentations

Victoria University of Wellington

WELLINGTON, NEW ZEALAND

Web Project Support - Part-time between study at university, around 12 hours a week

Mar 2016 – Nov 2016

Victoria University of Wellington was rebuilding their website. My various tasks include converting text content into JSON & HTML formats, business analysis tasks, and some JavaScript programming.

Tutor - Part-time between study at university, around 8 hours a week

Feb 2016 – Nov 2016

Tutored one second-year Network Engineering courses in each semester, tasks include:

- Running helpdesk sessions - answering students' questions related to assignments, projects (in C, Python and Assembly language) and general questions including degree planning.
- Marking assignments and projects.

Pingar

AUCKLAND, NEW ZEALAND

Research Intern

Dec 2015 – Feb 2016

Pingar use artificial intelligence technologies to analyse unstructured text data. This 3-month internship was funded by New Zealand government agency [Callaghan Innovation](#).

- Funded by [Callaghan Innovation](#).
- Was a member of the Research Team. Natural Language Processing was the main research topic at the time.
- Worked on two projects together with my supervisor: 1. Machine Learning and 2. Document De-duplication.

- Researched and implemented the algorithms for the two projects using Python.
 - Applied the Machine Learning algorithms to categorize documents and received better results than human categorized documents.
 - Applied a de-duplication algorithm to detect similar documents (e.g. same document in different versions).
 - Worked with the Development Team. Was involved in testing and debugging the product.
 - Had weekly meetings with our Head of Research and Development.
 - Attended daily stand-ups and weekly planning meetings with the Development Team and gained industrial software development experience (e.g. Scrum).
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Software Project Examples

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more blah

Education

Victoria University of Wellington

WELLINGTON, NEW ZEALAND

Bachelor of Science in Computer Science & Statistics

2013 – 2016

Currently completing my final year of the degree. Started with a single major in Computer Science and picked up Statistics along the way. Have found connections between the two areas and am enjoying both at the moment.

Core Courses Taken

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|----------------------------------|----|---|----|
| • Algorithms and Data Structures | A | • Business Applications Programming | A+ |
| • Software Development | A | • Systems Programming | A |
| • Software Design | A- | • Introduction to Artificial Intelligence | A- |
| • Database System Engineering | A | • Structured Methods | A+ |