Zhijian Wen

Curriculum Vitae

Personal Summary

I am a graduate with Master major in Statistics, with experiences in data analysis/modelling, programming including developing **R**-package and data mining. I am interesting in programming and I am enjoying to "talk" with computer. I am keen to join your company where I want to utilize my skills in creative.

Education

2016–2017 **Msc - Statistics**, *University of Auckland*.
Key course: Multivariate Analysis, Data Science Practice, Statistical Inference

2015–2016 **BSc(Hons) - Statistics**, *University of Auckland*.
Key course: Bayesian Inference, Statistical Computing, Statistical Modelling
*class representation of **Stats 779***

2012–2015 **BSc - Mathematics and Statistics**, *University of Auckland*.

Projects

Master **Emulate the `persp` plot and `filled.contour` plot in `gridGraphics`.**
*The `persp()` is use for drawing 3-D surface and the `filled.contour()` is use for drawing filled level contour plot in the **graphics**-package, which is the based package in **R**. My job is to convert (redraw) these two kinds of plot (functions) to **grid**.*
Supervisor: Associate Professor Paul Murrell

Honours **Bayesian inference on forensic glass evidence.**
The aim of this project is to fit a zero inflated poisson mixture model and zero inflated negative mixture model to different situations (e.g. The breaker's distance from the window, Proportion of high persistence fragments).
Supervisor: Professor James Curran

Work Experience

2016-2017	**Teaching assistant**, *University of Auckland*.

Tutor and Marker of Stats 220: This course introduces a variety of computer technologies relevant to storing, managing, and processing data. My job is to help students to understand and solve the questions about the coding. Such as `HTML/CSS`, `SQL` and `R`

Marker of Stats 380: A course of statistical computing using the `R` statistical computing environment

2015-2016	**Summer Scholarship**, *University of Auckland*.

Working on the `iNZightMaps`-package, used in the mapping module for **iNZight**
I am one of the author of the `iNZightMaps`-package. I was working on the functions for plotting the geographical data and also made it handle coordinate and country data.

Skills

Advance:	R, HTML, LaTeX
Fair:	SAS, SQL,jags, Linux, Lua, JavaScript
Basic:	C, C++, JAON, XML, Matlab, Excel

Languages

English, Mandarin, Cantonese

Interest

- Game Computing
- Table tennis
- Statistical Computing
- Physics

I am writing this letter to express my desire to work and innovate for you, for the world.

I enjoying on programming. Since my first year at University, I starting learning some programming language such as html/css, Matlab. During the Bachelor Degree of my university life, I learned html, xml, latex, matlab and R. R is one of my favorite programming language therefore I starting doing my Honours and Master degree to learn deeper about R.

During the summer of 2016, I was doing the summer scholarship which working on the `iNZightMaps` package which used for the mapping module for iNZight. I leaned a lot of graphics on R, specially the high-level graphics - the `grid` package.

Although I am a statistic student, I coding a lots and I used R to help me to analysis data to defeat any assignments and projects. I started my master dissertation with my supervisor, Dr.Paul Merrel who is a member of R core team, and now I still working on my dissertation.

Talking with computer is interesting. Although I'm not a front-line of programmer, I would like to use my coding experience to solve messy problem, and also willing to learn any other computing language in the future.

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Zhijian Wen

Attached: curriculum vitæ