

## PERSONAL INFORMATION

### NAME

**Jed Simson**

### TEL

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### EMAIL

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### WEBSITE

<http://www.jedsimson.co.nz>

### GITLAB/GITHUB

<https://gitlab.com/u/JedS6391>, <https://github.com/JedS6391>

### NATIONALITY

New Zealand European

### DATE OF BIRTH

26/07/1995

### GENDER

Male

## ABOUT ME

I am a hard-working, self-motivated individual with a passion for computers and programming. Currently, I'm completing my fourth year of tertiary study towards a Bachelor of Computing and Mathematical Sciences (Hons) at the University of Waikato – achieving a GPA of 7.3 thus far. I have a strong interest in Artificial Intelligence and Machine Learning, which my 2017 Honours project – Open-Source Linear Genetic Programming – focuses on.

## WORK EXPERIENCE

### NOV 2016 - FEB 2017

#### **Development Intern - Vista Entertainment Solutions Ltd.**

Worked on a project concerned with implementing a custom rule-based system and inference engine for targeted advertising for in-cinema promotions, to eventually be integrated into the existing product. Furthermore, I worked as part of an existing development team, where I primarily performed bug fixes and feature work, utilising an Agile methodology.

### NOV 2015 - JAN 2016

#### **Electronics Assembler - Tester/Programmer Rennacs Ltd.**

Responsible for assembling, testing, programming, and repairing electronics, packaging products for customers, organising delivery of packages, and some documentation of processes involved.

## VARIOUS TIMES

#### **Guitar Tutoring**

I am a competent guitarist with a formal background in Jazz performance and have experience teaching to others.

## EDUCATION

### **2015 - PRESENT**

#### **University of Waikato**

- Bachelor of Computing and Mathematical Sciences (Hons)
- A grade average, GPA 7.3
- 3rd place, Tertiary Category, NZ Cyber Security Challenge 2016

### **2014 - 2015**

#### **University of Auckland**

- Bachelor of Science (majoring in Computer Science)/Bachelor of Music (majoring in Jazz Performance) conjoint
- First in course award: MUS170, MUS171

### **2011 - 2013**

#### **Te Awamutu College**

- NCEA Level One: achieved with Excellence
- NCEA Level Two: achieved with Merit
- NCEA Level Three: achieved with Merit
- Awarded Level 3 top of class for Music and Chemistry
- Level 3 Chemistry endorsed with Merit
- Level 3 Computing endorsed with Excellence

## SKILLS/COMPETENCIES

### **GENERAL**

- Enjoy working both individually and as part of a team
- Quickly become productive in new environments
- Honest and loyal
- Committed to all tasks (and all aspects within)
- Fast learner

### **IT**

- Strong computer literacy
- Microsoft Word, Excel, Powerpoint
- General computer maintenance
- Can problem solve and learn new tasks involving a computer easily and with confidence
- Comfortable with electronics and their components

### **TECHNOLOGIES**

I am familiar with a wide range of languages and frameworks, listed below with the level of familiarity:

### **PROFICIENT**

- **Python:** ~4 years experience
- **Java/Clojure/Kotlin:** ~3 years experience
- **C#, .NET, LINQ:** ~3 years + 3 months professional experience
- **HTML, CSS, JavaScript, jQuery:** ~4 years experience
- **Python web frameworks:** Flask, Django ~3 years experience
- **SQL Databases:** SQL Server, MySQL, PostgreSQL
- **NoSQL Databases:** MongoDB, Redis, Memcached

## FAMILIAR/COMFORTABLE

- **C, C++, Assembly:** ~2.5 years experience
- **JavaScript toolsets/extensions - React, Bower, Node.js, Typescript:** ~1-2 years
- **Haskell:** ~1.5 years
- **Android Development**
- **Tools - Shell Scripting, Markdown**
- **Git + GitFlow:** ~3 years
- **GitHub, GitLab, TFS**
- Network configuration, debugging, monitoring

I am also confident in most operating systems, including Mac OS X, Windows and Ubuntu.

**NB:** This list is not completely comprehensive.

## INTERESTS

I am constantly writing code and designing programs that will be useful to me. I tend to share these as open-source through my website or GitLab/GitHub accounts – I am happy to talk more about these.

In my spare time I love to learn new programming languages, with an inclination towards functional languages such as Erlang, Haskell, and many more. Recently I've been learning the Rust language, as I enjoy the way it blends system programming with modern, functional approaches.

As well as this, I am an avid musician and love to write and perform music whenever the opportunity arises. I have performed in many groups over the years and have had success providing music for private functions and studio sessions.

## REFEREES

Referees will be made available upon request using any of the provided contact methods.