

Nick Dragunow

Graduate Software Developer and GIS Professional

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Personal Statement

A graduate software developer with a strong foundation in programming, GIS software, and industry standard frameworks and tools. Experience solving complex geospatial problems and building full-stack applications to an exacting standard. Seeking a challenging technical role with opportunities for further learning.

Qualifications

Bachelor of Science (2016)

The University of Auckland

Computer Science (specialising in GIS)

Bachelor of Arts (2013)

The University of Auckland

History and Criminology (with statistics and research methods)

Technical Skills

- Python
- C# & .NET
- SQL
- HTML, CSS, & JavaScript
- C
- Java
- ArcMap (and core extensions)
- C# Geospatial Libraries
- MySQL & phpMyAdmin
- Leaflet
- Visual Studio & Eclipse IDEs
- Standard technologies (Excel, Word, etc.)

Personal and Professional Strengths

Solid background in mathematics, statistics, and computational science. Ability to apply these skills to extract information from complex datasets, programmatically extend powerful analysis tools like ArcMap, and to implement mathematically complex features in custom-built software.

Strong data management skills. Experience building, modifying, and querying SQL databases, working with large conventional and spatial datasets, and building data access and management systems into web and desktop applications.

Cross-disciplinary research and evaluation skills. Study in a variety of academic fields has meant applying research methods to academic papers, books, technical documents, and in tandem with collaborators from other disciplines.

Articulate. Comfortable relaying difficult technical ideas to those in other fields and presenting suggestions in both written and spoken form. Experience writing and defending evidence-based papers in an academic environment.

Proven ability to self-manage. Employed as sole land and building manager for a school of 600 staff and students; an independent role in which swiftly identifying, prioritising, and solving problems was essential to staying ahead.

Effective and efficient collaborator and organiser. Co-managed university group work, edited research dissertations across disciplines, and organised liaisons with staff to ensure prompt communication.

Work Experience

Contracted Traffic Project	<i>Traffic Engineering Solutions</i>	<i>February 2016</i>
<ul style="list-style-type: none"> • From inception through to document delivery. • Planned and carried out a survey of foot and vehicle traffic around Kelston Girls' College in Auckland. • Selected camera locations, set up and used equipment, and explained the project to staff, students, and parents. • Analysed footage and produced excel tables for delivery to the client (Auckland Council). 		
Retail Assistant	<i>Glengarry Wines Westmere</i>	<i>November 2014 – April 2015</i>
<ul style="list-style-type: none"> • Point of sale, inventory, and technical support for other branch staff. 		
Acting School Caretaker	<i>St Thomas's Primary School</i>	<i>July 2013 – January 2014</i>
<ul style="list-style-type: none"> • Maintained and stocked buildings, kept the grounds (and ensured their safety for students), and managed internal staff and outside contractors. • Kept priority lists, order forms, and a school-wide inventory of tools and equipment. • Implemented maintenance schedules and staff communication channels to hasten problem identification and resolution. • Worked to document and better define the requirements of the role for future employees. 		

Other Interests

Early exposure to exercise through membership in the Sea Scouts and earning a black belt in Shotokan karate have left me with a real interest in being active. I've tramped across New Zealand (doing day walks whenever I travel), and have nearly completed the Department of Conservation's list of 'Great Walks'.

As a scuba diver, kayaker, and surfer, I spend a number of weekends each year with friends at hired houses along the coast. We try to get active as early as possible in order to reserve the late afternoon for socializing and cooking, which we do as a group.

An avid reader of science fiction and historical fact, I keep up with a number of authors and publications and in the afternoons can often be found staring into an e-reader.