

## PROFILE

I am a dedicated worker able to work well individually or as part of a team. I am very well trained in C# and JavaScript (both client and server side); have a decent grounding in Ruby, Python, Java, C, C++ and Rust; and a little experience in L<sup>A</sup>T<sub>E</sub>X, Erlang & Elixir and can pick up new programming languages quickly. I possess a high level of technical skills relating to the IT industry, and am a quick learner.

## EMPLOYMENT

### TELOGIS

2011 – 2015

- Full stack software engineer working on Telogis Route
  - Agile development, scrum for first two and a half years, then transitioned to a more fluid kanban system.
  - Distributed advanced Vehicle Routing Problem solver.
  - Initially fully C# system; ASP.NET web application, distributed services and Silverlight client.
  - Soon after starting began transition to a JavaScript client. Lots of interesting problems integrating the JS and SL parts of the client together.
- Member of a committee involved with moving development as a whole towards a more micro-service oriented architecture.
- Implemented new services running on Node and OWIN (.NET 4.5) to demonstrate utility of the new service design principles.

### UNIVERSITY OF CANTERBURY

2011 – 2011

#### COMPUTER SCIENCE AND SOFTWARE ENGINEERING TUTORING

- Tutoring undergraduate computer science students.
- Courses tutored:
  - COSC121 — Introduction to Computer Programming
  - ENCE260 — Computer Systems

### TAIT ELECTRONICS LTD

2010 – 2011

- Transform a tool from an internal protocol to utilise SNMP.
- Update SharpSNMP to support parsing more MIB data.
- Write a python utility to generate C mapping code from a set of XML, and config files.
- Write good accurate documentation on all changes.

### PLANT AND FOOD RESEARCH LTD

2009 – 2010

- Design a farm irrigation calculator based off a spreadsheet prototype.
- Implement the design in C#.
- Self manage the design and implementation of this program.
- Document the program.

### UNIVERSITY OF CANTERBURY

2008 – 2009

#### UNIVERSITY CENTRE FOR TEACHING AND LEARNING

- Support work around the new Moodle Implementation.
- Help run workshops teaching lecturers to use Moodle.
- Keep good records of work done, issues encountered, etc.
- Maintain confidentiality at all times.

## OPEN SOURCE

### SHARPSNMP<sup>1</sup>

Updated the MIB parser to support parsing more of the information contained<sup>2</sup>.

### DEFINITELYTYPED<sup>3</sup>

Contributed a variety of typings for libraries used at work and personal projects<sup>4</sup>.

### OTHER

A variety of other small contributions to projects.<sup>5</sup>.

## STUDY

### UNIVERSITY OF CANTERBURY

2008 – 2011

#### BACHELOR OF ENGINEERING WITH FIRST CLASS HONOURS

- Computer Vision
- Advanced Computer Graphics
- Machine Learning
- Computer Hardware Engineering
- Control Systems
- Economics and Management

## ACHIEVEMENTS

- I was selected for the National Science and Technology Forum, held in Auckland in January 2007.
- I was awarded Proximae Accessit for 2007 at Marlborough Boys' College.
- I achieved NCEA scholarships in Physics and Statistics with Modelling and got outstanding in Mathematics with Calculus in 2007.
- I was awarded the National Certificate of Educational Achievement (level 3), achieved with merit in 2007 and levels 1 and 2 in 2005.
- I achieved the pre-requisites for National Certificate in Computing (level 3) and National Certificate in Electronics Technology (level 2) in 2006.
- I was awarded the Koru Award for my outstanding performance during the 2009/2010 Summer Studentship programme at Plant & Food Research.

## INTERESTS

Hockey, cycling, hobby embedded development, video games.

## REFEREES

Available on request.

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<sup>1</sup><http://sharpsnmplib.codeplex.com/>

<sup>2</sup>Change documentation: <http://db.tt/0nphrIa>

<sup>3</sup><https://github.com/borisyankov/DefinitelyTyped>

<sup>4</sup><https://github.com/borisyankov/DefinitelyTyped/issues?q=author:Nemo157>

<sup>5</sup><https://github.com/Nemo157>