

# James Ryan

james4165@hotmail.com

Mobile Ph : 0430 710 408

[jamesryan.azurewebsites.net](http://jamesryan.azurewebsites.net)

I have 5 years of programming experience including 2 years of web programming. My education is as a Civil Engineer though I am very interested in making a career change to software development.

Have a look at my portfolio for examples of my experience: [jamesryan.azurewebsites.net](http://jamesryan.azurewebsites.net)

## EMPLOYMENT HISTORY

---

2013 to Nov 2015

### **Graduate Civil Engineer (Full-Time)**

Real Serious Games

Key Accomplishments :

- Use of Microsoft Excel for manipulating large volumnes of construction schedule data and other data from companies such as Leightons, Thiess and Lend Lease
- Programming of various tools used in the office using C#, WPF and VBA and communicating regularly with programmers
- Providing mockup drawings for modifications to 3D Models
- QA of software
- Communicating construction drawings to 3D modelers

2011 to 2013

### **Trainee Structural Engineer (Full-Time)**

NBR Australia

Key Accomplishments :

- Carried out structural design of cold-formed steel portal frame buildings and various types of residential buildings.
- Structural drafting of various commercial and industrial portal frame buildings and residential homes and associated detail drawings
- Developed in-house structural engineering software used for analysing loads and calculating bracing, member and connection requirements for portal frame buildings
- Development of 3D portal frame model and load generation software in Excel/VBA using Multiframe Automation.
- Used many different Australian Standards and product manuals
- Other duties such as general administration and document handling/organisation

## EDUCATION AND TRAINING

---

2009 to 2013

### **Bachelor of Engineering** majoring in **Civil and Construction**

Queensland University of Technology

2005 to 2006

### **Diploma of Mechanical Engineering**

Moreton Institute of TAFE

---

### ***Extra Curricular Achievements***

- Winner of 2011 Boulderstone National Icons design competition
  - 1st place out of over 150 entries nation wide
  - Winning entry consisted of conceptual redesign of the Story Bridge and 700 word report
- Designed and published two Android applications on Google Play
  - “EasyBeam” a structural engineering application
  - “Where in the World”, a Google map and streetview based guessing game

### ***Programming Skills***

I have been programming on my own personal projects and at previous workplaces for almost 5 years and have experience with :

- Node.js, html, sass/css, javascript, SQL Server, Azure Websites, Backbone.js. Also some PHP and Laravel
- C# and WPF
- Java for Android
- Very proficient with Microsoft Excel and VBA, and knowledge of Microsoft Word
- Some knowledge of R for statistical analysis

### **Interests**

- Computers & Programming(Web, C#, VBA)
- Sharemarket
- Video Games
- Making guitar/electronic songs

### **REFEREES**

---

#### **Dr Greg Darcy**

NBR Australia  
Ph : 0421 671 454

#### **Rod Etto**

Etto Designs and Drafting  
Ph : 0411 564 529

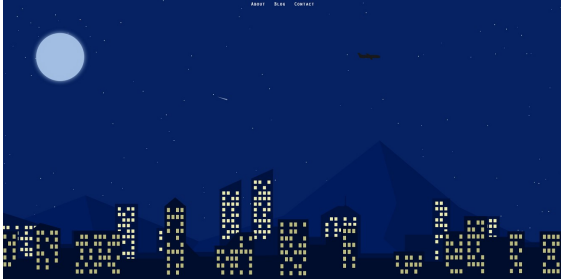
#### **Professor Tommy Chan**

Queensland University of Technology (QUT)  
tommy.chan@qut.edu.au

## WEB PROGRAMMING PORTFOLIO

Below are some of my latest web programming projects. You can see the live versions here <http://jamesryan.azurewebsites.net/#/portfolio>

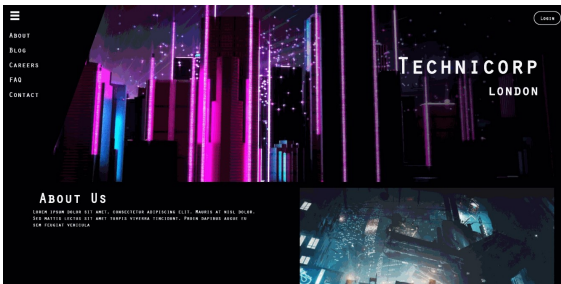
### Galaxi



This was an experimentation with animations using the popular Greensock and Scrollmagic javascript libraries. I created the art in Inkscape.

HTML, SASS, jQuery

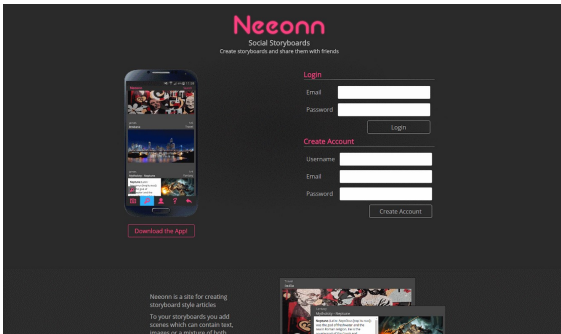
### Technicorp



A demo home page for a fake company. Uses parallax scrolling images and SVG images for slanted navigation and menu screens.

HTML, SASS, jQuery

### Neeonn



This was a concept for a social storyboard sharing website. It features user accounts, a search page to search public storyboards and tools to create storyboards which includes a HTML canvas. There is also an android app with the same features and storyboards are synced between the website and app.

SQL Server, PHP/Laravel, HTML, SASS, Backbone, Cordova

### Scattertale



Scattertale is a website for creating and sharing rearrangeable articles. It features user accounts, a search page to search public articles and tools to create articles. It is currently on hold.

SQL Server, Node.js, HTML, SASS, Backbone

Below is the result for a Javascript test I completed recently for a recruiter.

