

James Ryan

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jamesryan.azurewebsites.net

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

Have a look at my portfolio for examples of my experience: jamesryan.azurewebsites.net

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

EMPLOYMENT HISTORY

2013 to Nov 2015	Graduate Engineer (Full-Time) Real Serious Games
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Key Accomplishments :

- Use of Microsoft Excel for manipulating construction schedule data and other data
- Providing basic mockup drawings for modifications to 3D Models
- QA of software
- Programming of various tools used in the office (C#, WPF and VBA) and communicating with programmers
- General administration duties
- Communicating construction drawings to 3D modelers

2011 to 2013	Trainee Structural Engineer (Full-Time) NBR Australia
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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

2008 to 2012

Draftsman (Part-Time)

Etto Designs and Drafting

Key Accomplishments :

- Assisted with drafting work on all types of residential dwellings
- Mostly architectural drafting of floor plans, elevations, sections, site plans
- Extensively used AutoCad 2007
- Some structural drafting such as bracing and slab plans

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 :

- C# and WPF
- Java for Android
- Node.js, html, sass/css, javascript and some SQL Server, Azure Websites, Angular.js and Backbone.js. Also some PHP and Laravel
- Very proficient with Microsoft Excel and VBA, and knowledge of Microsoft Word and other general office related computer skills

Interests

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

REFEREES

Dr Greg Darcy

NBR Australia

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Rod Etto

Etto Designs and Drafting

Ph : 0411 564 529

Professor Tommy Chan

Queensland University of Technology (QUT)

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Resume : James Ryan