

Peter Horsley – Software Developer

PERSONAL DETAILS

Name: Peter Gregory Rowley **HORSLEY**
Citizenship: Australian
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QUALIFICATION

Bachelor of Engineering (Computer Systems), Diploma in Engineering Practice, **University of Technology, Sydney**, 2004 (*Distinction average*)
Thesis - Computer Vision Techniques for Recovery of 3D Scene Structure (*High Distinction*)



INDUSTRY EXPERIENCE

June 2015 to present – **Honeywell, Software Engineer**

- Currently working on cloud-enabling an iOS application using Microsoft Azure.

January 2011 to June 2015 – **Siemens Ltd, Software Engineer**

Major Achievements:

- Led a multi-site development team (4 in Sweden, 8 in Sydney) to create a scalable and cutting edge web-based building access control system, including Android and iOS clients. I took initiative to facilitate collaboration, despite time-zones, though daily catch-ups.
- Created a robust software build and test infrastructure to farm out long-running UI, performance and integration tests among a cluster of machines for parallel execution. Over 24 hours of testing was compressed to 2 hours, allowing every build to be comprehensively tested.

C#, .NET 4, Java, Silverlight, MVVM, Visual Studio, Eclipse, Unity, Moq, Specflow

November 2003 to January 2011 – **Citect / Schneider Electric**

Support Engineer (Nov 2003) - solving customer issues and writing small utilities.

Support Programmer (Mar 2005) - maintaining a large C/C++/C# codebase, 3 million LOC.

Senior Support Programmer (Jul 2005) - visiting sites to solve complex technical issues.

Developer (Oct 2006) - creating product specs and implementing new software features.

Senior Developer (Apr 2009) - mentoring, facilitating knowledge sharing tutorials, designing and implementing architecture for a new system.

Major Achievements:

- Designed and built a framework to unify the company's diverse set of standalone applications and built the foundation for the next-generation control system software.

C#, .NET 4, WPF, WCF, MVVM, Visual Studio Shell, nHibernate, AutoFac, MEF, Moq

- Researched and coordinated implementation of a security model overhaul across the entire code-base, allowing the software to run under a non-administrator account, and delivered ahead of schedule.

C++, C#, .NET 2, WinForms, Windows services, TCP/IP, Multi-threading



ANDROID EXPERIENCE – Screenshots at <http://codenature.info/android/>

Jul 2012 to present – **Southcott Hydraulics, Android Developer**

- **Crimper App** – Controls an industrial hose crimping machine via Bluetooth, including display of live video from a USB webcam attached to the tablet.
- **E-Crimp App** – Allows quick selection of optimum crimp settings using a database of hoses and passes this information directly to the Crimper App for immediate crimping.
- **Crimper Menu App** – Provides an integrated shell to access the other apps as well as help documents and videos, tools and marketing information.

Mar 2013 to present – **BlueOz, Android Developer**

- **Net-Brake App** – Uses the accelerometer and other sensors to measure performance of brakes in a vehicle. After each test a report is generated that can be printed to a Bluetooth printer, emailed or uploaded to a web-server.

May 2011 to present – **Hobby Android Developer**

- **OneWinery App** – Retrieves product data from a wine sales website and displays them on a phone or tablet, allowing the user to shop for wine products (Play Store: <http://bit.ly/1wKPA48>).
- **Service Please** – Discovers other phones on the local WIFI network and allows each person to request assistance from others, available on the Play Store: (<http://bit.ly/1VUJBKe>).
- **Water Tank App** – Communicates via Bluetooth to a solar-powered Arduino board that controls an ultrasonic sensor to measure the tank's level over time (work in progress!).



MINDSET

- I have a strong interest in UI design, and enjoy thinking of ways to improve software usability.
- I believe software should be simple, both on the inside and outside.
- Above all, I am driven to get things done, on-time, defect-free.

I take initiatives, research best-practice and think my actions through. By listening to and mentoring others, accepting feedback, and showing leadership, I work to build a strong and effective team that is motivated to produce high-quality software as efficiently as possible.