

RUSSELL JAMES WATERSON

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Portfolio: <https://russellwaterson.github.io>

PROFILE

I am an ambitious, self-motivated and hardworking individual with a passion for computing, technology and software development. I always use my initiative to perform roles to the best of my ability and thoroughly enjoy working in or leading a team. I push myself to seek new and varied challenges as this allows me to explore my full potential, exploring and extending my capabilities. I am inspired by and interested in the field of computer science. I am a quick learner, allowing me to absorb new ideas and concepts. Furthermore, I am very results driven which allows me to continuously stay motivated and achieving my goals. I have returned from a year travelling and with broadened horizons I am now eager to enter the world of work.

TECHNICAL SKILLS

Competent In:

- **Java** – extensive experience, in a professional, educational, and personal setting
- **Android App Development** (incorporating Java, XML, SQL, and Google APIs)
- **Dev Team Tools:** Git, (GitHub and GitLab), SVN, Jira, Confluence, GitHub Flavoured Markdown
- **Web Development Tools:** XML, HTML, XHTML, CSS, JavaScript, AJAX, JSON
- **Scripting:** BASH, VIM, Perl, Python
- **Testing:** Robot Framework, JMockit, JUnit 4, Instrument Espresso Testing
- **Wireframing:** JustInMind, Balsamiq
- **Operating Systems:** Experienced with Windows and an array of Linux Distributions native and in VM
- **Microsoft Office software applications** (including Word, Excel, and PowerPoint)

Experience with:

- **Big Data:** Spark, Hadoop, Amazon Web Services
- C and C++
- OCaml and Haskell functional languages
- WireShark, MatLab, MIPS, Logisim, SPIN, ProMeLa

EDUCATION

THE UNIVERSITY OF BIRMINGHAM 2013 - 2017

BSc Computer Science w/ Industrial Year

Final Result: 2.1 (67%)

Year Four **GRADE: 1ST**

Modules: Databases (79), Neural Computation (73), Human Computer Interaction (73), Machine Learning (71), Networks (70), Computer-Aided Verification (69), Intelligent Data Analysis (65), Computer Science Project (65)

Year Three **GRADE: PASS** – Industrial Year as Junior Software Engineer and Thomson Reuters

Year Two **GRADE: 2.1**

Modules: Mathematical Techniques of CS (72), Team Project (71), Computer Systems and Architecture (69), Professional Computing (69), Models of Computation (65), Intro to Computer Security (58), Computational Vision (57), Software System Components (56)

Year One **GRADE: 2.1**

Modules: Information and the Web (76), LC Foundations of Computer Science (71), Introduction to Software Engineering (69), Language and Logic (67), Introduction to AI (64), LC IWLP French Level 1 (MOMD) (75)

JOHN HAMPDEN GRAMMAR SCHOOL FOR BOYS 2006-2013

A Levels: Computing (A), Maths (A), and Further Maths (B)

GCSEs: 12 Grade A* – C including Maths (A) and English (B)

WORK EXPERIENCE – COMPUTING

THOMSON REUTERS

Aug 2015 – Aug 2016

Role: **Junior Software Engineer**

- Undertook a wide variety of tasks within my team, including the creation of functional tests (using Robot Framework), the implementation of brand new components of a new system (written in Java), and the writing of scripts (in Bash, Python, and Perl) to perform numerous jobs including cron jobs.
- Working in the Finance and Risk Department within TR, I was part of a team of 9 developers, consisting of a technical team lead, 6 senior software engineers, and myself and one other junior software engineer. Using an Agile software development methodology, we would have team scrum meetings twice a week, with sprint a cycle lasting two weeks.

CAPGEMINI Jul 2012

Role: **Work Shadowing with Vice President of Consumer Products and Retail**

- Worked with the VP of Consumer Products and Retail to understand how my IT skills would be relevant in a corporate environment. The hands-on elements of this role included the provision of management reporting, the tracking of deadlines and the attendance at key meetings.

PROJECTS – ANDROID APP DEVELOPMENT

GOOGLE PLAY STORE PAGE: <https://play.google.com/store/apps/developer?id=Russell+Waterson>

THE SMART REVISION CALENDAR

Type: **Computer Science Degree Final Year Project**

- The proposed project was to create a smart revision timetable and calendar application. The premise is, the user enters various inputs, including their class times, extracurricular activities, exams and deadlines, and their preferred learning style. The application will then generate a revision timetable around the classes and activities with the exams as goals to work towards. The user can then give feedback on how productive they have been, meaning that the more the user uses the system, the more the timetable will learn and be tailored to that particular user.

THE SCREEN CALCULATOR

Type: **Personal Project**

- The Screen Calculator is an application featuring numerous tools for screen measuring and comparison. This includes: diagonal, vertical, and horizontal measurements in inches or centimetres; dots per inch (DPI) density measures; and in-depth device information. Includes features that are ideal for developers and designers.

NEXUS 6P DOUBLE TAP TO WAKE

Type: **Personal Project**

- An application designed for the Google Nexus 6P to enable the Double Tap to Wake feature. Once activated, the feature will persist even through reboot. The app unlocks a built-in feature hidden within the stock kernel of the device.

WORK EXPERIENCE – SALES, PROMOTIONAL, HOSPITALITY, AND OTHER ROLES

LUCKY

Aug 2018 – Sept 2018

Role: **All Rounder**

- All Rounder at Lucky, an award-winning restaurant in the heart of Wellington, New Zealand.

REDWOOD

Dec 2017 – May 2018

Role: **Sales**

- Field Representative in the renewable and sustainable energy sector in Melbourne, Australia.

N2O LTD

July 2015 – Oct 2017

Role: **Various Promotional and Hospitality Roles**

- Worked in many roles including but not limited to Sales, Brand Ambassador, Rigging, Kitchen Staff, and Warehouse Staff, all for high profile brands and companies such as Lynx, Tesco, Walkers, Sure, Now TV (Sky), and Sensodyne.

EXTRA CURRICULAR ACTIVITIES AND ACHIEVEMENTS

ATHLETICS

- UK ranked Top 50 in both High Jump and Long Jump; Top 100 in Pole Vault and 110m Hurdles
- Competed at Senior level since 2011, 10 County Championship Medals, 5th in National Champs

AWARDS

- Scholarship to study BSc Computer Science at The University of Birmingham 2013
- Rockschoool Drums – Grade 7 Merit 2013

POSITIONS OF RESPONSIBILITY

- Vice Track and Field Captain for University of Birmingham's Athletics Team 2016 – 2017
- Athletics Captain for Windsor Slough Eton & Hounslow Youth Development Team 2014
- Drummer in School Wind Band, and Lead Drummer in School African Percussion Group 2010 – 2013

REFERENCES

References available on request