

Sam Spilsbury

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Experience

TECHNICAL DIRECTOR, JURIMETRICS PTY LTD; PERTH, WA - JAN 2016 - PRESENT

- ▶ Technical cofounder of legal and government data analytics start-up company "Jurimetrics".
- ▶ Conducted business affairs of company, including contract negotiation, incorporation, development of sales pitches, creation of website and marketing material and strategic management of business.
- ▶ Built full-stack product with another cofounder using C#, Python, Node, React and deployed on AWS.
- ▶ Content ingestion and linking system built can reliably deal with hundreds of thousands of documents containing semi-structured text on a memory budget of 1.5GB of RAM.

SOFTWARE DEVELOPER, ENDLESS MOBILE INC; WORLDWIDE - DEC 2013 - PRESENT

- ▶ Delivered on key OS integration functionality, including ephemeral demonstration mode.
- ▶ Delivered on prototype of content discovery functionality. Needed to work across several teams to build, deploy and marshal existing content into feature.
- ▶ Delivered on prototype of a computer education optimised OS which demoed at CES in Jan 2017. 20+ articles with very positive reception were written about the product.
- ▶ Prototyped new UI animations using Euler integration model for rigid body simulation
- ▶ Improved performance and stability of combined UI and JavaScript runtime.
- ▶ Increased test coverage of some components to 95%+.

SOFTWARE DEVELOPER, XBMC FOUNDATION; PERTH - JUN - AUG 2013

- ▶ Delivered working backend for use on Wayland composers, main testing occurring on Weston.
- ▶ Worked with supervising mentor to deliver automated functional testing framework for display backends and project documentation. Wrote module for Weston to facilitate acceptance testing.

SOFTWARE DEVELOPER, CANONICAL SERVICES LIMITED; WORLDWIDE - NOV 2010 - NOV 2012

- ▶ Worked on main UI of Ubuntu Desktop, a product with an estimated 20 million users.
- ▶ Worked with a variety of programming languages and frameworks (C++, OpenGL and Python).
- ▶ Delivered on overall product quality and automated testing goals, delivering complete system integration and unit tests such that issues with complex causes did not regress in later revisions.
- ▶ Awarded "Spotlight on Success" in Q1 FY2012 for "outstanding contribution to product quality."

Education

BACHELOR OF SCIENCE (COMP. SCI) - UNIVERSITY OF WESTERN AUSTRALIA; JUN 2016 - JUN 2017

- ▶ Weighted Average Mark: **82.75 / 100**
- ▶ Achieved a grade of 98.3% for blockchain simulation project.

EXTENSION MATH AND COMPUTER SCIENCE - UNIVERSITY OF WESTERN AUSTRALIA; JAN 2015 - NOV 2015

- ▶ Weighted Average mark: **78.25 / 100**.
- ▶ Achieved a grade of 96% for AI game playing using optimised adversarial search techniques.

BACHELOR OF LAWS / ARTS (COMMUNICATIONS) - UNIVERSITY OF WESTERN AUSTRALIA; JAN 2010 - NOV 2015

- ▶ Weighted Average Mark: **71.553 / 100**
- ▶ Clerked at Wilson & Atkinson, Williams + Hughes, Jackson McDonald, Tottle Partners and Wrays.
- ▶ Published a paper "The case for United States style exceptions in the Manner of New Manufacture test in Patent Law" in the *Onyx Blackstone Student Law Journal* in 2015.

Recognition

- ▶ Runner up, Ministry of Data 2017, for training convolutional neural network to recognise and classify Australian road signs from dashcam footage, tag their location and display reports on web interface.
- ▶ Western Australian State Finalist, Pride of Australia 2015 for running workshops with CoderDojo.
- ▶ Runner up, GovHack 2015, for developing word-cloud based search tool for large document sets.
- ▶ **GitHub Portfolio:** <https://github.com/smspillaz>
- ▶ **Launchpad Portfolio:** <https://launchpad.net/~smspillaz>