

Michael van der Kolff

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EDUCATION

- **University of Wollongong** Wollongong, NSW
Bachelor of Mathematics (with Distinction) Aug. 2011 – Dec. 2015
- **University of Wollongong** Wollongong, NSW
Bachelor of Computer Science (with Distinction) Aug. 2011 – Dec. 2015

EXPERIENCE

- **Google** Sydney, NSW
Software Engineer Mar 2016 - Dec 2016
 - **Platforms Networking:** Worked on the switch stack. Implemented PacketIO over gRPC, and wrote lots of functional tests.*Site Reliability Engineer* Jan 2017 - Mar 2022
 - **Oncaller:** Responded to oncall incidents, wrote postmortems, and otherwise acted on followup activity.
 - **LDAP:** Owned the evolution of the service, culminating in the design and implementation of glue to get internal customers to use Google Secure LDAP.
 - **Config push automation:** Worked on validating pushed config to corporate network switches.
- **University of Wollongong** Wollongong, NSW
Tutor Aug 2012 - Nov 2015
 - **C# programming for 1st years:** These are introductory courses to programming.
 - **Algorithms:** 2nd year course - Tutored algorithmic complexity analysis, heaps, using them for discrete simulations.
 - **C++ programming for second years:** Final C++ course for second years.
 - **Network/Multithreading:** Unix systems programming.
- **Tibra Capital** Bondi Junction, NSW
Intern Summer 2012-2013
 - **Integration testing:** End-to-end tests involving IronPython, .NET and making Paramiko work with IronPython.
 - **Performance testing:** Optimising performance of options pricing; learnt Linux perf for profiling work here.
- **NVTech Pty Ltd** Gymea, NSW
Contract Systems Administrator Sep 2001 - Dec 2013
 - **Linux servers for small businesses:** Find selection of packages to implement common functions for small businesses, such as network file sharing, email, calendar sharing &c.
 - **SPInfo:** Port Access backend to Firebird SQL. Implement common libraries for interface consistency, and otherwise hack VBA to make things work better.
 - **Customer service:** Respond to customer issues as they arose.

PROGRAMMING SKILLS

- **Languages:** Python, Golang, C++, SQL, Java, Haskell
- **Soft skills:** Incident Management, Mentoring, Analysis
- **Data science:** Statistical analysis, Mathematics, Machine Learning
- **Technologies:** PostgreSQL, Firebird, Kubernetes, GCE