

# DARIO BANFI

## PERSONAL INFORMATION



*Born near Milan, 09 October 1991*

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## WORK EXPERIENCE

*Data61* 2015–2016 Internship, NICTA, now DATA61 — Sydney  
NICTA (National ICT Australia) is Australia's Information and Communications Technology Research Centre of Excellence. The internship, in the field of Software Defined Networking and Multipath Routing, constituted my Master Thesis. A paper of my research is being submitted for LCN 2016. NICTA/DATA61 · <https://www.nicta.com.au>

*Weptun* 2014–2016 Software Developer, WEPTUN GMBH — Munich  
Java/Android development job in a mobile-focused company. Engineering of real-time & low latency streaming solutions over LTE (front-end and back-end), a JavaScript mobile security framework and multiple other apps. Extensive collaboration with Nokia Solution Networks, including streaming demos at WTA finals in Singapore and F1 Shanghai GP with a high number of users. WEPTUN GMBH · <http://www.weptun.de>

*Security Reply* 2013–2014 Software Developer, REPLY — Turin  
Started as an bachelor thesis internship and continued as a Student Job after the graduation. My tasks involved the design and development of a threat intelligence platform to provide ahead-of-time notifications of IT security risks. The platform is still being used nowadays. REPLY SPA · <http://www.reply.eu>

*Owest Africa* 2009–2013 Consulting & IT Support, OWEST AFRICA — Milan  
Container Shipping company to Western Africa. Responsibilities included Server, Network and Software management, accounting and business optimisation through Information Technology. Digitalisation, among other factors, increased the business volume of over 200% during my time there. OWEST AFRICA · <http://www.owestafrica.com>

## EDUCATION

*MSc in Informatics* 2014–2016 Technische Universität München, Munich  
GPA: 1.5 · Master Degree in Informatics  
Field of Specialization: *Distributed Systems, Networks and Security*.  
Thesis: *Endpoint-Transparent Multipath in Software Defined Networks*  
Advisor: Prof. Dr.-Ing GEORG CARLE

*Erasmus Exchange* 2012 Universitat Autònoma de Barcelona, Barcelona  
Stay of 6 months under the Erasmus student program in the Faculty of Engineering, UAB

## COMPUTER SKILLS

<i>Languages</i>	PYTHON, JAVA (>5 years) · JAVASCRIPT, C#, C (>3 years) · PHP, BASH, JSP, ASP (Occasional Projects)
<i>Development Tools</i>	IDEs: ECLIPSE, ANDROID STUDIO, VISUAL STUDIO, VIM Version Control: GIT, SVN, TFS Compilers & Debuggers: GNU MAKE, GDB, PDB, GCC, JAVAC Build Managers: GRADLE, APACHE ANT, MAVEN
<i>Operating Systems</i>	UNIX: DEBIAN AND DERIVATIVES, FEDORA, MACOSX MICROSOFT WINDOWS and .NET FRAMEWORK, WPF, SURFACE SDK ANDROID, including SDK, ADB, Rooted Apps, reverse engineering and C C++ execution through NDK (>2 years experience)
<i>Software Eng.</i>	AGILE DEVELOPMENT, SCRUM, CONTINUOUS INTEGRATION (JENKINS), UML
<i>Networks</i>	IPv4/v6, standard network protocol stack (TCP/IP, DNS, DHCP, HTTP, etc.), RTP/SRTP/RTSP/ONVIF, MULTIPATH TCP, IPROUTE2 Software Defined Networking: OPENFLOW, OPEN vSWITCH, RYU
<i>Frameworks and Services</i>	Web: HTML5, CSS, APACHE, POSTFIX, SQUID, AXIS & JUDDI Data representation and management: MYSQL, SQLITE, XML, JSON, L <sup>A</sup> T <sub>E</sub> X Web Frameworks: DJANGO, JQUERY, BOOTSTRAP (>2 years) · ANGULARJS, BACKBONE.JS, AJAX & WEBSOCKETS

## OTHER INFORMATION

<i>Scholarships</i>	2015 · Fitweltweit Scholarship from the German Academic Exchange Service (DAAD) for Master students in the field of Computer Science 2015 · Scholarship for Research awarded by National ICT Australia 2012 · Erasmus Scholarship
<i>Volunteering</i>	2015 · IFIP WG 7.3 Performance Conference
<i>Languages</i>	ENGLISH · Fluent (C1 - TOEFL Certificate) GERMAN · Intermediate (B2, Professional working proficiency) SPANISH · Intermediate (B2, Professional working proficiency) FRENCH · Intermediate (B2 - DELF CERTIFICATE ) ITALIAN · Mother tongue
<i>Certificates</i>	Digital image editing and Video post-production certificate at Collegio Universitario R. Einaudi (PHOTOSHOP, AFTER EFFECTS, ILLUSTRATOR, C4D)
<i>Interests</i>	Guitar · Ukulele · Surfing · Travelling · Geopolitics · Reading

May 19, 2016