



Radityo Eko Prasajo

Date of Birth:	October 24, 1992
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Language knowledge:	Indonesian Native Javanese Native English Advanced (IELTS 7.5) Italian Basic (Level A1.1) German Basic (Level A1.1)

SHORT BIO

Radityo Eko Prasajo is a Ph.D student in the KRDB Research Center for Knowledge and Data, Faculty of Computer Science, Free University of Bozen-Bolzano. His current research interests are information extraction on the Web, data quality on the Web and the Semantic Web.

He was a grant receiver of the European Master's Program in Computational Logic (EMCL). His master's thesis topic is "Entity and Aspect Extraction for Organizing News Comments", which focuses in information extraction. In 2015, he received his M.Sc with overall score of 1.7 (*good*, German scoring system) and thesis score of 1.0 (*excellent*, the highest possible mark).

Previously, he received an S.Kom (Bachelor in Computer Science) *cum laude* from the University of Indonesia in January 2012 and was awarded the youngest graduate of the year. He worked as teaching assistant on Discrete Mathematics, Calculus, Computer Networks, Data Structure, Analysis of Algorithms, Cryptography, and Numerical Analysis. He was an intern in IBM Indonesia in 2011.

EDUCATION

M.Sc. (2015)	Master of Science, received as a joint degree from the European Master in Computational Logic (EMCL) programme. Overall score: 1.7 (good), thesis score: 1.0 (excellent). Thesis: <i>Entity and Aspect Extraction for Organizing News Comments</i> , supervisors: Mouna Kacimi, Werner Nutt.
S.Kom / BCS (2012)	Bachelor in Computer Science, 150/144 <i>cum laude</i> (GPA 3.64 out of 4.00). Graduated in only 7 semesters (normally 8 semesters). Faculty of Computer Science, University of Indonesia. Thesis: <i>Identity-Based Encryption from the Weil-Pairing</i> ; supervisor: L.Y. Stefanus, Ph.D.
Senior High School (2008)	Graduated in only two years (normally three years). Only 22 students in Surabaya achieved this feat in 2008. SMAN 5 Surabaya, Indonesia, 2008.
Junior High School (2006)	Graduated in only two years (normally three years). Only 18 students in Surabaya achieved this feat in 2006. Graduated with a perfect score in Mathematics on the final exam. SMPN 1 Surabaya, Indonesia, 2006.

WORKING EXPERIENCE

LECTURING ASSISTANT

2016	<i>Data Structure and Algorithm</i>	Lab and tutorials. Lecturer: Prof. Werner Nutt. <i>Bachelor in Computer Science</i> , Free University of Bozen-Bolzano.
2012	<i>Cryptography and Information Security</i>	Lab and tutorials. Lecturer: L.Y. Stefanus, PhD. <i>Bachelor in Computer Science</i> , University of Indonesia.
2011	<i>Numerical Analysis</i>	Lab and tutorials. Lecturer: Prof. T Basaruddin and Prof. Heru Suhartanto. <i>Bachelor in Computer Science</i> , University of Indonesia.
	<i>Computer Networks</i>	Lectures, lab and tutorials. Lecturer: Heri Kurniawan, M.Sc. <i>Bachelor in Computer Science</i> , University of Indonesia.
	<i>Design and Analysis of Algorithm</i>	Lab and tutorials. Lecturer: L.Y. Stefanus, P.hD. <i>Master in Computer Science</i> , University of Indonesia.
2010	<i>Discrete Mathematics</i>	Lab and tutorials. Lecturer: Prof. Belawati Widjaja. <i>International Bachelor Program in Computer Science</i> , University of Indonesia.
	<i>Computer Networks</i>	Lab and tutorials. Lecturer: Agus Kurniawan, M.Sc. <i>Bachelor in Computer Science</i> , University of Indonesia.
	<i>Data Structures and Algorithms</i>	Reviewing student tasks and projects. Lecturer: Dr. Ade Azurat. <i>Bachelor in Computer Science</i> , University of Indonesia.
	<i>Calculus</i>	Providing lecture notes. Lecturer: Kasiyah Junus, M.Sc. <i>Bachelor in Computer Science</i> , University of Indonesia.

OTHER WORK EXPERIENCE

2015	<i>Free University of Bozen-Bolzano</i>	Contract researcher on <i>to-Know</i> project under supervision of Mouna Kacimi.
2015	<i>Free University of Bozen-Bolzano</i>	Contract researcher on <i>MAGIC: Managing Completeness of Data</i> under supervision of Werner Nutt and Simon Razniewski.
2012	<i>Badr-Interactive</i>	Worked as mobile developer. Designed and programmed mobile applications for clients. Supervisor: Andreas Senjaya, S.Kom.
2011	<i>IBM Indonesia</i>	Worked as an intern. Developed an internal database management system that is used as internal operational tools. Supervisor: I Nyoman Parkaraharja, Senior Manager of IBM Indonesia.

PROJECT EXPERIENCE

2012	<i>Gerai Nisa Project</i>	A Badr Interactive's e-commerce project focusing on Islamic fashion and apparels. This project involved gamification to enrich users' shopping experience. <i>Roles: designer and programmer.</i>
2012	<i>Indobooks Project</i>	An e-commerce project funded by Three (three.com) mobile specializing on digital magazine. This project was focused on creating a custom PDF reader. <i>Roles: analyst and programmer.</i>
2012	<i>Ramadhan Guide Project</i>	A project focusing on creating mobile application to help muslims and enrich their experience during the holy month of Ramadhan. <i>Roles: project manager, analyst and programmer.</i>
2011	<i>DCMS Project</i>	Data Center Management System project, conducted during the internship program in IBM Indonesia. Its requirements involve database design and integration. <i>Roles: Project manager and programmer.</i>
2011	<i>GeekLook Project</i>	A fashion-based social networking website. <i>Roles: designer, analyst and programmer.</i>
2010	<i>Orphan Project</i>	A social project submitted for the National Student Creativity Week of Indonesia, aiming to help orphans all around Indonesia to connect to each other and to people that wants to help them via a customized social media, <i>sahabatkita.com</i> . <i>Roles: project manager and programmer.</i>
2010	<i>Bablazz Avider Project</i>	An Android mobile phone application that works as travel reminder and guider. <i>Role: programmer.</i>

RESEARCH EXPERIENCE

2016	(ongoing PhD research) Wikipedia text extraction for enriching ontology-based application.
2016	(ongoing) COOL-WD, a completeness tool for Wikidata.
2015	(ongoing) <i>Statistical Completeness Reasoner</i> , as a part of <i>MAGIC</i> project, supervised by Werner Nutt and Simon Razniewski. We investigate novel paradigm of data completeness using some statistical measures.
2015	<i>Orchestra: Organizing Comments using Aspect and Entity Extractions</i> , this is a fully working online demo project based on the master's thesis.
2014	<i>Investigating Simplex Algorithm and Interior-Points Method</i> . This was done as an Advanced Algorithm course project.
2014	<i>Data Warehousing of Airline Company</i> . This was done as a course project of Advanced Database Management System.
2014	<i>Reasoning about the completeness of SPARQL queries over linked data sources</i> . Implementation of a reasoning engine as part of the project <i>MAGIC</i>
2014	<i>Entity and Aspect Extraction for Organizing News Comments</i> . This was done as a Master's Thesis.
2013	<i>Modeling and Solving Timetabling Problem with SMT-Solver</i> . This was done as a Computational Logic course project.
2013	<i>Modeling the Internet Movie Database</i> . This was done as a Conceptual Modeling course project.
2011	<i>Recognitto: A Facial-Recognition Security System</i> . This research experimented on a lightweight and reliable facial recognition security system that is able to work in a handheld gadget running Symbian OS.
2011	<i>Identity-Based Encryption from the Weil-Pairing</i> . Bachelor thesis. This research experimented on the accuracy and the reliability of Weil-Pairing technique in an Identity-Based Cryptosystem.
2011	<i>Game Solving with SAT Solver</i> . This research aimed to model 3 puzzle game: Sudoku, Knight Tour Problem, and N-Queen Problem and to utilize MiniSAT to solve the game.
2011	<i>PL/O Compiler with Java</i> . We investigated compiler techniques and experimented on building a working PL/O language compiler on top of Java.
2010	<i>Experimenting on Real-World Network Topology</i> . This research involved network designing and implementation using Cisco routers and switches in the Laboratory of Computer Network, University of Indonesia.
2010	<i>Huffman Code in Kernel</i> . This research aimed in building a quick and powerful file compressor that works in a kernel level of a UNIX-based operating system.

PUBLICATIONS

Full research paper	Radityo Eko Prasajo, Mouna Kacimi, and Werner Nutt. Entity and Aspect Extraction for Organizing News Comments. <i>CIKM</i> . 2015.
Demo paper	Radityo Eko Prasajo, Fariz Darari, and Mouna Kacimi. ORCAESTRA: Organizing News Comments using Aspect, Entity and Sentiment Extraction. <i>IEEE InfoVis</i> . 2015.
	Fariz Darari, Radityo Eko Prasajo and Werner Nutt. A Completeness Reasoner for SPARQL Queries over RDF Data Sources. <i>ESWC (Satellite Events)</i> . 2014.
Poster paper	Fariz Darari, Radityo Eko Prasajo, and Werner Nutt. Expressing No-Value Information in RDF. <i>ISWC</i> . 2015.

GRANTS AND SCHOLARSHIPS

2015	SIGIR student travel grant for CIKM 2015 long paper presentation.
2014	Student travel grant for ESWC 2014 poster presentation.
2012-2014	European Master's Program in Computational Logic grant, which includes tuition fee, health insurance, transport allowance and living allowance.
2011	BUMN Scholarship for the top students of the Faculty of Computer Science, University of Indonesia. Two students received this scholarship.

OTHER EXPERIENCES, ACTIVITIES AND ACHIEVEMENTS

2016	Nominee of EMCL best thesis representing the Free University of Bozen-Bolzano.
2012	Awarded the youngest graduate of the University of Indonesia's 2012 first semester graduation.
2012	Speaker on Higher Education Seminar of Faculty Student Research Week.
2011	Elected the head of Student Legislative Council of Faculty of Computer Science, University of Indonesia.
2007	Bronze medal winner of Student Mathematics Olympiad in Java-Bali Region held by Airlangga University.
2005	Runner-up of National Student Scientific Paper Competition in Environment held by the Indonesian Ministry of Education with a paper titled "My Green City, My Blue Sky".

SKILLS AND INTERESTS

Programming: Object Oriented Programming (Java, Android Java, C++), Structural Programming (C, C++, Qt Symbian), Logic Programming (Prolog)

Database Management System (DBMS): MySql, Psql, Oracle

Web Development: HTML, CSS, PHP, Javascript, Google Web Toolkit

Computer network: Cisco Router Configuration

Graphic Designing: GIMP, mainly focuses in logo design. My work collection can be seen in <http://www.inf.unibz.it/~prasojo/other.html>

Art: Guitar, Singing, fiction writing

Sport: Swimming

REFERENCES

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2. Prof. Diego Calvanese
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Free University of Bozen-Bolzano
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3. Dr. Mouna Kacimi
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