

Chandra Prasetyo Utomo

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SUMMARY

Talented person with solid mathematical background and extensive programming skills. Experienced in teaching computer science and information technology courses. Interested in data mining, machine learning, and big data technologies applied in medical and health.

Key Skills

- Teaching and Research in Information Technology
- Data Mining, Machine Learning, and Big Data Technologies
- Self-Management and Personal Responsibility

Software Skills

- Programming (Matlab, Java, C/C++, Python, and R)
- Database (MySQL and Oracle)
- Microsoft Office (Word, Power Point, and Excel)

EDUCATION

- **UQ, Australia** (2015 – present)
School of Information Technology and Electrical Engineering
Research Higher Degree (PhD) in Computer Science
- **KAUST, Saudi Arabia** (2009 – 2011)
Division of Applied Mathematics and Computer Science
Master of Science (M.S.) in Computer Science
- **University of Indonesia** (2005 – 2009)
Faculty of Computer Science
Bachelor of Science (B.Sc.) in Computer Science

AWARDS

- **LPDP Award** (July 2015 – June 2018)
National competitive fully funded foreign doctoral scholarship award for prospective Indonesian leader. Worth more than AU\$250,000
- **Fellowship Award** (August 2009 – July 2011)
Global competitive fully funded support to pursue master degree program at the KAUST. Worth more than US\$150,000
- **Discovery Scholarship Award** (September 2008 – July 2009)
Global competitive award managed by Institute of International Education (IIE) for highly undergraduate academic achievements. Worth more than US\$15,000

EMPLOYMENT HISTORY

- **The University of Queensland, Australia** (August – November 2016)
Tutor of Data Mining Course.
- **Universitas YARSI** (February 2012 – June 2015)
Full Time Lecturer. Courses: Algorithm & Programming, Discrete Mathematics, Artificial Intelligence, Data Mining, Design and Analysis of Algorithm, Decision Support Systems
- **Tokyo Institute of Technology** (June – July 2009)
Research Internship supervised by Prof. Kauro Hirota
Department of Computational Intelligence and Systems Science
- **University of Indonesia** (September 2006 – December 2008)
Tutor. Courses: Digital Design, Discrete Mathematics, Language Theory & Automata

CERTIFICATIONS

- **Big Data (University of California, San Diego)**
Introduction to Big Data Certificate authorized by UCSD and Coursera
Verified at coursera.org/verify/G9G7DYP7U8YA (Certificate Date: 17 September 2015)
Hadoop Platform and Application Frameworks Certificate
Verified at coursera.org/verify/HLKTBVZCEQUH (Certificate Date: 29 March 2016)
- **Data Science (Johns Hopkins University)**
The Data Science Toolbox Certificate authorized by JHU and Coursera
Verified at coursera.org/verify/V49WPV3DE3 (Certificate Date: 13 January 2015)

SELECTED PUBLICATIONS

- **Utomo, C.**; Li, X.; Wang, S., "*Classification based on Compressive Multivariate Time Series*", The 27th Australasian Database Conference – Sydney, 26-27 September 2016
- **Utomo, C.P.**; Kardiana, A.; Yuliwulandari R., "*Breast Cancer Diagnosis using Artificial Neural Networks with Extreme Learning Techniques*", International Journal of Advanced Research in Artificial Intelligence (IJARAI), vol.3, issue 7, pp.10-14, 2014.
- Machda, F.; Ichim-Moreno, N.; **Utomo, C.P.**; Voolstra, C.R., "*Development of the Red Sea Biogeographic Information System*", OCEANS 2010 IEEE - Sydney, 24-27 May 2010

RESEARCH GRANTS

- **Breast Cancer Subtype Classification with Extreme Learning Machines**
Directorate of Higher Education, Ministry of Education, Indonesia
IDR195M for 2014 – 2015 (Role: Principal Investigator)
- **Policy Model in Tuberculosis Controlling in Indonesia**
Directorate of Higher Education, Ministry of Education, Indonesia
IDR400M for 2014 – 2017 (Role: Team Member – changed at 2015 due to PhD study)

PROFESIONAL REFEREES

Prof. Heru Suhartanto
University of Indonesia
Undergraduate Lecturer
✉ heru@cs.ui.ac.id

Prof. Xue Li
UQ, Australia
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Prof. Mikhail Moshkov
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