FERDIAN ADI PRATAMA

Computer Vision/Deep Learning Specialist

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INDUSTRY EXPERIENCE

Data Scientist

ASK Corporation

📅 April 2018 – Present   📍 Tokyo, JAPAN

ASK Corporation is one of the leading distributors of PC parts in Japan. My responsibility involves in providing consultations and deep learning solutions for clients' specific needs, including performing GPU deep learning benchmarks and setup DL frameworks on workstations & servers.

Lead R&D Engineer

MJI Robotics

📅 March 2017 – April 2018   📍 Tokyo, JAPAN

MJI Robotics develops TAPIA, a communication robot. I managed a small development team to provide AI modules for TAPIA with the state-of-the-art technology of vision deep learning, focused on object detection and facial recognition. I also managed the deployment of the modules and the infrastructure of the production server.

Software Engineering Intern

PLEN Robotics

📅 Sept 2016 – Dec 2016   📍 Osaka, JAPAN

PLEN Robotics is a startup company specializes in the development of personal service robots. I provided technical advises and support with ROS programming and its application to the PLEN CUBE robot, including album art display (in C++) and real-time video streaming (in Java), alongside with the Android App prototype.

Electrical Engineering Intern

Demag Cranes & Components, GmbH

📅 Feb 2009 – Aug 2009   📍 Wetter, GERMANY

Demag Group is one of the world's leading suppliers of industrial cranes, crane components and services of the Demag brand. During a 6 months internship, I developed infrared circuit modules for overhead crane controller boards and monitors the electrical components production line in the factory.

Mechatronics Engineering Intern

Siemens Vocational Training Center

📅 Sept 2007 – Dec 2007   📍 Cilegon, INDONESIA

During a 3 months internship, I handled milling machine, lathe machine (manual and CNC), electrical components and circuit, programmed a CNC Lathe machine as a part of an integrated mechatronics project to build a miniature car figure.

SUMMARY

Aiming to make technology accessible to everyone by applying best practice of AI and modern technology.

EXPERTISE

Deep Learning   Server management   Computer Vision   DevOps   Python   Docker   Ansible   JIRA   Slack

LANGUAGES

English	Fluent
Japanese	Proficient
French	Beginner
Indonesian	Native

EDUCATION

Ph.D. in Information Science

Japan Advanced Institute of Science and Technology

📅 2013 – 2016   📍 Ishikawa, JAPAN

M.S. in Information Science

Japan Advanced Institute of Science and Technology

📅 2011 – 2013   📍 Ishikawa, JAPAN

Dipl.-Ing. in Engineering and Project Management

Swiss German University

📅 2006 – 2010   📍 Tangerang, INDONESIA

ACADEMIC EXPERIENCE

Visiting Scholar
University of Genova

📅 Oct 2014 – Jan 2015   📍 Genova, ITALY

Conducting Experiments for Ph.D. main research using Baxter Research Robot, including the integration of developmental architecture and visual processing module.

Teaching Assistant
Robotics Lecture @JAIST

📅 Dec 2013 – Feb 2014   📍 Ishikawa, JAPAN

Holding recitation, grading assignments, and responsible for helping with lab experiments.

Lab Assistant
Robotics Lab @JAIST

📅 2012   📍 Ishikawa, JAPAN

Responsible for managing lab related stuffs. Performing humanoid robot demonstrations and research related matter to visitors.

Webmaster
Center for Intelligent Robotics @JAIST

📅 2011 – 2014   📍 Ishikawa, JAPAN

Maintaining homepage of Center for Intelligent Robotics.

SELECTED PUBLICATIONS

📄 Journal Articles

- Pratama, Ferdian, Fulvio Mastrogiovanni, Soon Geul Lee, et al. (2016). "Long-term knowledge acquisition using contextual information in a memory-inspired robot architecture". In: *Journal of Experimental & Theoretical Artificial Intelligence*.

👥 Conference Proceedings

- Pratama, Ferdian, Fulvio Mastrogiovanni, and Nak Young Chong (2014). "An integrated epigenetic robot architecture via context-influenced long-term memory". In: *Proceedings of Joint IEEE International Conferences on Development and Learning and Epigenetic Robotics (ICDL-EPIROB 2014)*.
- Pratama, Ferdian, Fulvio Mastrogiovanni, Sungmoon Jeong, et al. (2015). "Long-term knowledge acquisition in a memory-based epigenetic robot architecture for verbal interactions". In: *Proceedings of The 24th International Symposium on Robot and Human Interactive Communication (IEEE RO-MAN 2015)*.

RESEARCH TALKS

ERIS: Epigenetic Robot Intelligent System
IEEE RO-MAN Workshop

📅 2015   📍 Kobe, JAPAN

Toward Epigenetic Architecture Interconnection: Context-influenced Long-Term Memory
The 1st Hanyang-JAIST Joint Workshop on Decision and Planning

📅 2014   📍 Ishikawa, JAPAN

AWARDS

🎓 **Doctoral Research Fellow Grant**
Doctoral Course, 2013-2016

🏆 **Outstanding Performance Award**
Master Course, 2013

REFEREES

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🏛 JAIST

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