



Asian Institute of Technology

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Dr. Thierry Fraichard
INRIA

Dear Prof. Fraichard:

I am writing to recommend my master's student advisee, Ms. Mintra Ruensuk, for your Ph.D. position in service robotics at INRIA.

Mintra is a second year master's student in good standing in the Computer Science and Information Management program at the Asian Institute of Technology (AIT) in Thailand. Her coursework was specialized in software engineering and her master's thesis is a case study in human-robot interaction.

Mintra is a bright and hard working student. She has been working on using the Willow Garage Robot Operating System (ROS) to enable human-robot-interaction with the Turtlebot (an iRobot Create integrated with a Microsoft Kinect). Building on and extending existing technologies, she has been able to create a prototype restaurant waiter robot able to respond to voice, gesture, and Web-based commands. The technical work is largely completed, and she is working on evaluation and the thesis itself. There are some interesting aspects in the software architecture that I hope we will be able to expand upon and submit to a robotics conference soon. Overall, I am very happy with her work.

Besides supervising her research, I was Mintra's teacher in two courses, Web Application Engineering and Software Architecture Design. These are both practical hands-on courses exploring best practices in Web application design and development and architectures for enterprise applications and enterprise application integration. Mintra performed very well in both classes, emerging as a key member of project teams and doing well on both written and practical exams.

I believe that doing her doctoral studies at INRIA will greatly benefit Mintra's academic development. I give her a strong recommendation for your Ph.D. position, and I hope you will consider

her favorably.

Sincerely,

A handwritten signature in blue ink, reading "Matt Dailey". The signature is fluid and cursive, with a long horizontal stroke extending from the end of the name.

Matthew N. Dailey, Ph.D.
Associate Professor