

**Education**

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**Doctor of Philosophy (Ph.D.), Civil, Environmental and Sustainable Engineering** May 2018  
Arizona State University, Phoenix, AZ CGPA: 4.0  
Research interest: Engineering Education, BIM Challenges, Problem-based learning

**Master of Engineering (M. Eng.), Civil and Environmental Engineering** 2014  
Saitama University, Saitama, Japan CGPA: 4.0  
Dissertation: "Research on Bicycle Route Infrastructures at Routes with Bus Stops and Signalized Intersections"

**Bachelor of Engineering (B. Eng.), Civil and Environmental Engineering** 2012  
Saitama University, Saitama, Japan CGPA: 3.5  
Dissertation: "Research on Bicycle Safety Measures at Signalized Intersections"

**Experience**

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**Teaching Assistant** January 2017 - Present  
Arizona State University, Phoenix, AZ

**Graduate Research Associate** August 2015 - Present  
Arizona State University, Phoenix, AZ

**Senior Consultant** April 2015 – July 2015  
Fair Consulting Malaysia Sdn. Bhd., Kuala Lumpur, Malaysia

**Consultant** April 2014 – March 2015  
Fair Consulting Malaysia Sdn. Bhd., Kuala Lumpur, Malaysia

**Skills**

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**Languages:** Malay (Native); English (Bilingual); Japanese (Full professional)

**Computer software:** Python; R; Revit; SketchUp; Navisworks; AutoCAD; Primavera; MicroStation, SPSS, Matlab

**Professional Organizations**

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**Tau Beta Pi** (Engineering Honor Society) 2016 – present

**International Student Society of Saitama University** 2011 – 2014  
President, 2013

**Saitama Muslim Cultural Association** 2008 – 2014  
Secretary, 2011-2012

**Selected Publications**

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**Building Information Modelling skills: a social network and job advertisement-based comparative analysis.**

Rahman, R. A., Ayer, S. K., Tang, P., & Eicher, M. (2017). *Engineering Project Organization Journal* 7, p.21 - 36

**Prevalent issues in BIM-based construction projects**

Rahman, R. A. & Ayer, S. K. (2017). In: *Proceedings of Joint Conference on Computing in Construction (JC3)* 1, p. 645 – 652.

**Comparing Building Information Modeling skills of project managers and BIM managers based on social media analysis.**

Rahman, R. A., Alsafouri, S., Tang, P. & Ayer, S. K. (2016). *Procedia Engineering* 145, p. 812- 819

**Experimental research on bicycle safety measures at signalized intersection.**

Rahman, R. A., Kojima, A., Kubota, H. (2013). *Journal of the Eastern Asia Society for Transportation Studies* Vol. 10, p. 1426-1445