

Education

- **Doctor of Philosophy** in Built Environment
University of Washington, Seattle, Washington.
Area of Study: Computational Design and Research.
Winter 2008- Spring 2015 (GPA: 3.82/4)
 - **Master of Science** in Architecture
University of Washington, Seattle, Washington.
Area of study: Design Computing.
Fall 2005 - Fall 2007 (GPA:3.81/4)
 - **Bachelor of Science** in Architecture
University of Tehran, Tehran, Iran.
Fall 1999- Summer 2004 (GPA:17/20)
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Fields of Interest

Sustainable Design and Construction, Computer Drafting and Design Technologies, Building Information Modeling, Integrated Project Delivery, Team Building in Construction Projects.

Teaching Experience

- Volunteer Teaching Assistant for “**Building Information Modeling Certificate**”, Center for Education and Research in Construction, University of Washington & Skanska, Fall 2015 and Winter 2016.
 - Teaching Associate for curriculum planning of a new college-wide course in Built Environment program called “**Digital Adventure**”, University of Washington, College of Built Environment, Spring 2015.
 - Teaching Associate for CM 515- “**Innovative Project Management Concepts**”, University of Washington, Department of Construction Management, Winter 2015.
 - Teaching Associate for CM 414- “**Virtual Construction**”, University of Washington, Department of Construction Management, Fall 2014.
 - Teaching Assistant for CM313- “**Construction Methods and Materials**”, University of Washington, Department of Construction Management, Fall 2009.
 - Teaching Assistant for CM515- “**Advanced Project Management Concepts**”, University of Washington, Department of Construction Management, Spring 2009.
 - Teaching Assistant for Arch 478 – “**Auto-CAD and Working Drawings**”, University of Washington, Department of Architecture, Fall 2006 and Fall 2007.
 - Teaching Assistant for Arch 150 – “**Appreciation of Architecture I**”, University of Washington, Department of Architecture, Spring 2007 and Fall 2007.
 - Teaching Assistant for Arch 151 – “**Appreciation of Architecture II**”, University of Washington, Department of Architecture, Winter 2007.
 - Teaching Assistant for Arch 482 – “**Web-weaving**”, University of Washington, Department of Architecture, Fall 2006.
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Research Positions	<ul style="list-style-type: none"> • Research Assistant in National Science Foundation (NSF) funded project analyzing ethnographic studies on communication and collaboration behavior, and use of new technologies in architecture projects (2009-2011).
Awards and Honors	<ul style="list-style-type: none"> • The best paper award at the 2015 American Society of Engineering Education (ASEE) Annual Conference in the Architectural Engineering Division. • Engineering Project Organization Society (EPOS) Ph.D. Scholar 2011. • Fellowship recipient from university of Washington for Fall2008-Spring 2009. • Received academic excellence award from department of Fine Arts, University of Tehran, Fall 2002. • Placed in the top 0.5% of participants in the National Iranian Universities entrance exam, Fall 1999. • Semi-finalist in Iranian National Olympiad in Informatics, 1998. • Semi-finalist in Iranian National Physics Olympiad, 1998. • Semi-finalist in Iranian National Mathematical Olympiad, 1997 and 1998.
Publications	<p>Homayouni, H. (2015). "Aligning Contractual Organizational and Technological Elements to Achieve Higher Performance Buildings." University of Washington.</p> <p>Dossick, C. S., Homayouni, H., Lee G. (2015). "Learning in Global Teams: BIM Planning and Coordination." International Journal of Automation and Smart Technology 5(3), 119-135.</p> <p>Monson C., Homayouni H., Dossick C., Anderson A. (2015). "Improving the Understanding of BIM Concepts Through a Flipped Learning Lab Environment: A Work in Progress." 122nd ASEE Annual Conference & Exposition.</p> <p>Dossick, C. S. Anderson A., Homayouni H., Monson, C. (2015). "Exploring Flip for BIM: Tutorials at Home, Exercises in Lab." 9th BIM Academic Symposium & Job Task Analysis Review, Washinton DC, 64-71.</p> <p>Homayouni, H., Dossick, C. S., & Neff, G. (2014) Achieving Higher Energy Efficiency in High-Performance Buildings Using Integrated Practices: A Fuzzy Set-Qualitative Comparative Analysis Approach. Construction Research Congress (pp. 454-463). ASCE.</p> <p>Homayouni, H., Dossick, C. S., Neff, G., (2011). "Construction Projects as Fuzzy-Sets: A Set Theoretic Approach to Analyzing the Role of Building Information Modeling in Higher Performance Buildings." Proceeding Editor.</p> <p>Homayouni, H., Neff, G., Dossick, C.S. (2010). "Theoretical Categories of Successful Collaboration and BIM Implementation within the AEC Industry", Construction Research Congress, Seattle.</p> <p>Dossick, C. S., Neff, G., and Homayouni, H. (2009). "The Realities of Building Information Modeling for Collaboration in the AEC Industry." Construction Research Congress, Seattle.</p> <p>Homayouni, H. (2007). "A Genetic Algorithm Approach to Space Layout Planning Optimizaiton." University of Washington.</p> <p>Homayouni, H. (2004). "The Nature Hotel." University of Tehran.</p>

Language Proficiency	Persian (native), English (fluent), and Arabic (good reading and writing skills, fair listening and speaking abilities).
Computer Skills	<ul style="list-style-type: none"> • Architecture software: Proficient in Revit Architecture 2016, AutoCAD, Form.Z radiosity, and SketchUp. Familiar with Autodesk Flow Design, AGI 32. • Construction Management software: Proficient in Navisworks 2016, and BIM 360 Glue. Familiar with BIM 360 Field, and Prolog. • Web Developing: Familiar with CSS, Javascript, HTML, PHP, MySQL, Database Integration. • Programming languages: Matlab and Java developer. • Presentations: Proficient in Microsoft Office 2015, Adobe Premier and Adobe Photoshop. • Rapid prototyping methods: Hands on experience with Laser cutter, 3D printer, and CNC machines.
Volunteer Experiences	<ul style="list-style-type: none"> • Volunteer Designer at “Architects Without Border” in Seattle, WA. March 2016- present. • Volunteer Teacher at community weekend programs for children and youth in IMAN organization, Kirkland, WA. Fall 2007- Spring 2009, Fall 2015- present. • Volunteer Teacher for “Mathematical Olympiad prep”, Refah middle school, Tehran, Iran, 1999-2000 academic year.
Hobbies	Racquetball (USA Racquetball member), Wallyball, Swimming, Ice-skating, Poetry and Traveling.