**Fan Feng**

The University of Alabama, USA

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| **PROFESSIONAL**  **SUMMARY** | * Strong research experience in the area of building modeling and simulation, data-driven modeling, building controls | | | |
| * Well trained in programming, and extensive experience in coding HVAC-related models | | | |
| * Creativity, passionate commitment, and strong skills in engineering | | | |
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| **EDUCATION** | **Ph.D.** | | Aug, 2018 – | |
| * **The University of Alabama(UA)** | | | |
| * Major: Mechanical Engineering * GPA: 4.0/4.0 | | | |
| * Advisor: Zheng O’Neill * Project:  (NSF 1760834)Collaborative Research: Adaptive, Multi-Layered Fenestration Elements for Optimum Building Energy Performance and Occupant Comfort | | | |
|  | **Master of HVAC Engineering** | | Sep, 2015 – Mar, 2018 | |
|  | * **Tongji University** | | | |
|  | * Major: Building Science * GPA:4.49/5.00 | | | |
|  | * Advisor: Peng Xu. I also worked with Zhengwei Li * Projects: Chinese National Science Fund for Young Scholars (Project No. 51508394), Shanghai Pujiang Talent Program (Project No. 15PJ1408100) | | | |
|  | **Bachelor of HVC Engineering** | | Sep, 2011 – Jul, 2015 | |
|  | * **Tongji University** | | | |
|  | * Major: Heating, Ventilation, and Air-Conditioning(HVAC) GPA:4.47/5.00 | | | |
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| **AWARDS** | * Graduate Council Fellowship in UA | | | 2018 |
|  | * China national scholarship | | | 2013 |
|  | * First prize oustanding scholarship | | | 2013 |
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| **SKILLS** | **Programming Languages** | | |  |
|  | Python(familiar), C/C++(familiar), Matlab(familiar),VBA, SQL, HTML/CSS/Javascript, Modelica | | | |
|  | **Tools/Softwares** | | | |
|  | EnergyPlus(familiar), Trnsys(familiar), Dymola | | | |
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| **PUBLICATION** | [1] | Shunian Qiu, Fan Feng, et al. “Data Mining Based Framework to Identify Rule Based Operation Strategies for Buildings with Power Metering System.” *Building Simulation*, 2018, doi:10.1007/s12273-018-0472-6. | | |
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|  | [2] | Fan Feng , Yangyang Fu , Jin Hou & Peng Xu (2017): Optimizing the topologies of HVAC water systems in supertall buildings: A pilot study, *Science and Technology for the Built Environment*, DOI: 10.1080/23744731.2017.1393255 | | |
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|  | [3] | Fan Feng, and Zhengwei Li. “A Methodology to Identify Multiple Equipment Coordinated Control with Power Metering System.” *Energy Procedia*, vol. 105, Elsevier, 2017, pp. 2499–505. | | |
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|  | [4] | Fan Feng, et al. “The Status Quo of Operation of HVAC Water-Side Systems in China: A Perspective from BAS Data.” *Energy Procedia*, vol. 143, Elsevier B.V., 2017, pp. 67–72, doi:10.1016/j.egypro.2017.12.649. | | |
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|  | [5] | Yingjun Ruan, et al. “The Role of Occupant Behavior in Low Carbon Oriented Residential Community Planning: A Case Study in Qingdao.” *Energy and Buildings*, vol. 139, Elsevier, 2017, pp. 385–94. | | |
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|  | [6] | Fan Feng, et al. “An Empirical Study of Influencing Factors on Residential Building Energy Consumption in Qingdao City, China.” *Energy Procedia*, vol. 104, Elsevier, 2016, pp. 245–50. | | |
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|  | [7] | Yangyang FU, et al. “Data-Quality Detection and Recovery for Building Energy Management and Control Systems: Case Study on Submetering.” *Science and Technology for the Built Environment*, vol. 22, no. 6, 2016, pp. 798–809, doi:10.1080/23744731.2016.1195658. | | |
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|  | [8] | Tianren Yang, et al. “Towards Low-Carbon Urban Forms: A Comparative Study on Energy Efficiencies of Residential Neighborhoods in Chongming Eco-Island.” *Energy Procedia*, vol. 88, Elsevier B.V., 2016, pp. 321–24, doi:10.1016/j.egypro.2016.06.142. | | |
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|  | [9] | Yuan Li, et al. “Analysis of Factors Influencing the Energy Consumption of Government Office Buildings in Qingdao.” *Energy Procedia*, vol. 104, Elsevier, 2016, pp. 263–68. | | |

**PROFESSIONAL ORGANIZATION: ASHRAE STUDENT MEMBER**