

RASHMI BALIGA

Building Performance and Sustainability Consultant

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Madison, WI

in linkedin.com/in/rashmi-baliga

CREDENTIALS AND SKILLS

- LEED® AP BD+C
- Computational Building Performance Analysis
- Knowledge of ASHRAE building standards
- Expertise in architectural and mechanical building systems
- Post Occupancy Evaluation
- Proficient user of MS Office Suite

SOFTWARES

Power BI

OpenStudio

EnergyPlus

ArcGIS

CAD

SketchUp

PROGRAMMING

Python

SQL (python + sqlite3)

Ruby

DAX

GitHub

EDUCATION

Master of Science in Building Performance and Diagnostics

Carnegie Mellon University

Aug 2018 – May 2020 | Pittsburgh, PA

Bachelor of Architecture

Sir J. J. College of Architecture

Jul 2013 – Jun 2018 | Mumbai, India

PROFESSIONAL DEVELOPMENT

Vice-chair, EPSI, IBPSA-USA

Simbuild 2022 - Decision Support Framework for the Retrofit of Public Buildings for Energy and Carbon Reduction

<https://doi.org/10.26868/25746308.2022.C048>

K.C. Mahindra Merit Scholar

2018

WORKSHOPS

Earthquake Resistant Building Workshop

IIT Kanpur, India

2016

Zero Energy Building Workshop

IIT Bombay, India

2015

SELECT PROFESSIONAL WORK

Jones Lang LaSalle (2023-present)

- **University of Minnesota Energy Master Plan** - Created an interactive Power BI dashboard summarizing the university's existing building energy portfolio, and potential retrofit pathways.
- **Schneider Electric Parametric Energy Modeling** - Established a data pipeline to automate large-scale energy modeling and standardize data reporting using Python to parse 500k+ SQL files.
- **Confidential Hospitality Sustainable Business Case** - Worked with JLL's Valuations and Risk Advisory verticals to demonstrate the financial value of sustainable hotel design.
- **Confidential Decarbonization Assessment** - Suggested modifications to a building's planned renovation to achieve building decarbonization by 2030 including the impact of life-cycle cost assessment.

Affiliated Engineers, Inc (2019-2023)

- **West Virginia University Energy Master Plan** - Created a data-driven interactive Power BI dashboard for decarbonization planning.
- **Water Reuse Feasibility Study** - Quantified water sources and sinks and presented a plan to reduce potable water use by 4 million gallons.

EXPERIENCE

Project Manager, Building Performance

Jones Lang LaSalle April 2023 - Present Madison, WI (remote)

- Energy modeling and parametric modeling automation
- Data management and visualization using Python and Power BI
- Decarbonization and sustainability strategy and planning
- Decarbonization audits for existing buildings (ASHRAE Level 1,2)

Building Performance Consultant

Affiliated Engineers, Inc. July 2020 - April 2023 Madison, WI

- Early-design sustainability strategy and modeling for large healthcare and laboratory buildings
- Campus decarbonization and sustainability planning
- LEED administration and compliance documentation

Building Performance Intern

Affiliated Engineers, Inc. May 2019 – May 2020 Madison, WI

Graduate Teaching Assistant - Building Physics

Carnegie Mellon University Sept 2019 – Dec 2019 Pittsburgh, PA

Graduate Research Assistant - Post Occupancy Evaluation

Carnegie Mellon University Sept 2018 – Dec 2018 Pittsburgh, PA

RELEVANT COURSEWORK AND PROJECTS

- **Building Data Analytics** - Data driven prediction of electric demand using metered data from CSL Building, Pittsburgh, PA.
- **LEED, Green Design and Building Rating in a Global Context** - Researched credit requirements for global rating systems like LEED, Green Mark, GBI etc.
- **Practical Data Science** - Trained in data acquisition, processing, visualization and machine learning techniques in Python.