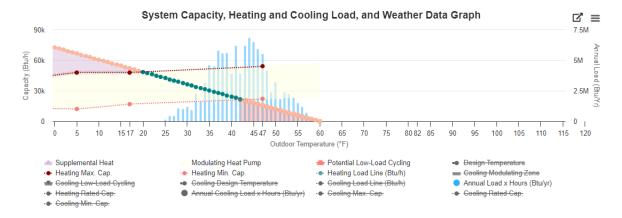
Michael Chen – Visualization of Heating/Cooling Demands

Supervisor: Dr. James Howison

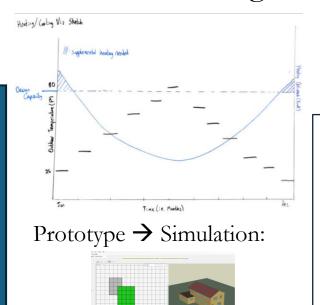
Motivation: properly sizing HVAC systems.

- "homes are operating at (...) 50 % of maximum capacity during the coldest hours (...) considerable spare capacity a consequence of oversizing or years of adding insulation" (Meier Et Al., 2019)
 - Implications towards home sustainability, comfort, and energy usage.

Current visualizations are unintuitive:

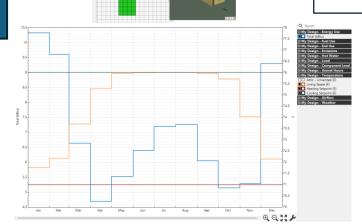


Solution: re-design in time series



Next Steps:

- Data wrangling and refinement
- Model Generalization
- Collaboration



iSchool Course Relevance: I320D Data Eng. I310D HCDS I310U UX I305 Research