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| **Bachelor Thesis Registration** | | **https://lh4.googleusercontent.com/pueS7Mki8ofzrrccEWJbQUKgmSEnECV4EbOy8uNZR3elFEgmIAwUEb7vlrRzeaa4sNdop_Uwu3C0a8ghUhhH36cyKaNVUzKk4drw5YekjyiRUnMWgjBxENhjDWlBTJX6Rnv6_DMF** https://lh3.googleusercontent.com/ukuxddpPdOcVTjt8J7fB1SZLAXbHXYFm5DY9AY0PmqkNgPiBzpFfbJgEDIzA_mn26Sv78vk5gn1FH4YaIWNv5axL4JrFZeGw9Aq5EoXWIBRCqe7vDffxdNHOScONHvK-pAY36rRP | | | |
| **Student name** | Qiu, Sixiang | **Thesis Type** | Internal | **End date** | 02.02.2021 |
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| **2nd Supervisor** | TBD | | | | |
| **Thesis topic** | *“Consumer-friendly visualization of renewable energy grid data”* | | | | |
| **Task description** | *Description:*  *“As renewable energy is becoming an increasingly important topic, data pertaining to this technology needs to be presented in a manner that allows enthusiastic consumers to be able to take advantage of it, when the need for electricity arises.*  *The purpose of this thesis is to document the development of a web application that traces and presents the dynamics of the renewable energy grid in a simplified, consumer-friendly way.*  *Specifically, the application will focus on how much energy flows into the power grid from regional sources.”*  *Tasks:*  *- Collection of historical data pertaining to renewable energy.*  *- Analysis and modeling of the data.*  *- Classification of the current status of renewable energy into three levels, based on the established model.*  *- Development of a web application that visualizes the classification system in form of traffic light.* | | | | |