**Profile**

|  |  |  |  |
| --- | --- | --- | --- |
| Student ID No. | 2019280016 | Name | Theodore Endresen 安多 |
| Cellphone No. | +1 (231) 944-6566 | Email address | ad19@mails.tsinghua.edu.cn |
| Research fields of interest:  Operations Research, Statistics, Strategic Decision Making, COVID-19 | | | |
| Brief introduction of thesis proposal(s)/title(s) or writing plan:  I would like to study the accuracy of pandemic preparedness metrics in predicting the effectiveness of a country’s COVID-19 Pandemic response. Additionally, I would like to explore if other globally aggregated metrics may better serve as pandemic preparedness metrics for future strategic decision making. By using existing COVID-19 Case, Death, and Test data, I can derive metrics describing the observed response to COVID-19. I can then compare these to pandemic preparedness metrics and other globally aggregated metrics. Additionally, I can use stringency indexes in these analyses. I have already found data sources for all of these metrics. | | | |
| Educational background:  I received my bachelor’s degree in Industrial and Operations Engineering from the University of Michigan with a GPA of 3.84. I also conducted nearly two years of research on scheduling optimization problems at the University of Michigan’s Center for Healthcare Engineering and Patient Safety. | | | |
| Working experience (if any):  University of Michigan Center for Healthcare Engineering and Patient Safety – Research Assistant | | | |
| Research achievement (if any):  I am a co-author on a research paper about the crew scheduling for long-haul cargo airliners that I am will be submitting to *Transportation Research* on October 9. I’ve also worked on five different short- and long-term scheduling optimization projects. | | | |
| Research Strength:  Model Programming, Technical Writing | | | |

Note: The profile is used for supervisor selection.