Overseas Summer Research Sharing

By Suying Liu
Outlines

Found around the house!

- Preparation
- Application Procedure
- Virtual ‘ORF’ Experience
Preparation
How to get prepared for conducting research?
Early-stage preparation

1. Read more papers or news to find at least one thing interests you

2. Explore more by listening to some conference or presentations on Youtube to make sure you want to have a try and have some basic knowledge of this specific areas

3. Do not hesitate to seek help from your teachers, tutors and mentors!

4. Contact supervisor as early as possible
Application Procedure
How to find an overseas supervisor?

Three typical ways:

1. Participate in Undergraduate Research Program (REU, etc.)
2. Approach Professor during exchange programme
3. Direct email your potential supervisors

Pros and Cons of each approaches:

● For first method, research topics are limited and the selection is competitive; But usually the program is more official and there are requirements of final report
● You are free to choose your favorite topics for method 2 and 3, but it is always possible to get no response
General Procedure

1. Look at the professor's’ Google Scholar page or personal website to check their recent work

2. Write an informative but precise email (Your background + research interest + goal)

3. Prepare for interview (familiar with your CV and clear about the professor’s research)
General Procedure

1. Prepare the supporting documents for ORF (proposal + reference letter)

2. Find an internal supervisor from your home department

3. Submit application material and begin your research!
How to write a proposal?
Proposal

1. Problem background

2. Introduction (What is the Research Problem)

3. Methodology (e.g. Mathematics: Analysis? Numerical Method? What are the potential tools?)

4. Some planning (e.g. xx weeks of reading/learning + xx weeks of researching)
Virtual Experience
What will happen in a remote research project?
My experience

<table>
<thead>
<tr>
<th>Normal Version (f2f)</th>
<th>Remote Version</th>
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<tbody>
<tr>
<td>Weekly meeting (face to face)</td>
<td>Weekly meeting (zoom)</td>
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<tr>
<td>Self-study and paper reading</td>
<td>Self-study and paper reading</td>
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<tr>
<td>Discussion with my supervisor</td>
<td>Discussion with supervisors as well as his PhD students (more teamwork)</td>
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<tr>
<td>Final report and poster</td>
<td>Final report and poster</td>
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In conclusion, the remote version of research project is nothing but conducting the meeting online.
Thank you for listening and hope you all can find your own research path!

Enjoy your research!