**Summer Engineering Research Internship for US Students (SERIUS)**

Host Department: Industrial Systems Engineering and Management  
([https://www.isem.nus.edu.sg/](https://www.isem.nus.edu.sg/))

**ISEM 1**

<table>
<thead>
<tr>
<th>Project title</th>
<th>Experiential Wayfinding</th>
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<tbody>
<tr>
<td><strong>Project description</strong></td>
<td>Wayfinding helps people to go from one place to another in the &quot;optimal&quot; manner. Experiential wayfinding increases the value and scope of conventional wayfinding by integrating sensor technologies, real-time data collection, analytics and the use of contextual information to intelligently guide consumers from their starting points through a continuum of information and service that they need to their destination.</td>
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<td><strong>Nature of project</strong></td>
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<td></td>
<td>□ Laboratory Investigation</td>
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<td>✗ Software Development</td>
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<td>□ Product Development</td>
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<td>□ Feasibility/Case Studies</td>
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<td>□ Others: ___________________________</td>
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<td><strong>Relevant majors</strong></td>
<td>Computer Science, Computing, Data Analytics, Communications, Statistics, Industrial Engineering, Systems Engineering, Management Science, Electrical Engineering</td>
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<td><strong>What participants are expected to achieve at the end of the 8-week attachment</strong></td>
<td>Design and develop a prototype for a specific use case such as going to the hospital, going to the mall, going to meet a certain friend, going to school, going to meet for a job interview</td>
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<td><strong>No. of participants able to host</strong></td>
<td>20</td>
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</table>
| **Supervisor** | Prof Andrew LIM  
[https://www.isem.nus.edu.sg/staff/isealim/](https://www.isem.nus.edu.sg/staff/isealim/)  
LinkedIn profile: [https://www.linkedin.com/in/alimalim/](https://www.linkedin.com/in/alimalim/)  
View Accomplishments/Projects to get more details of our work. |
| **Any other information/requirements** | Ability to handle systems and data. Some programming ability will be nice. |