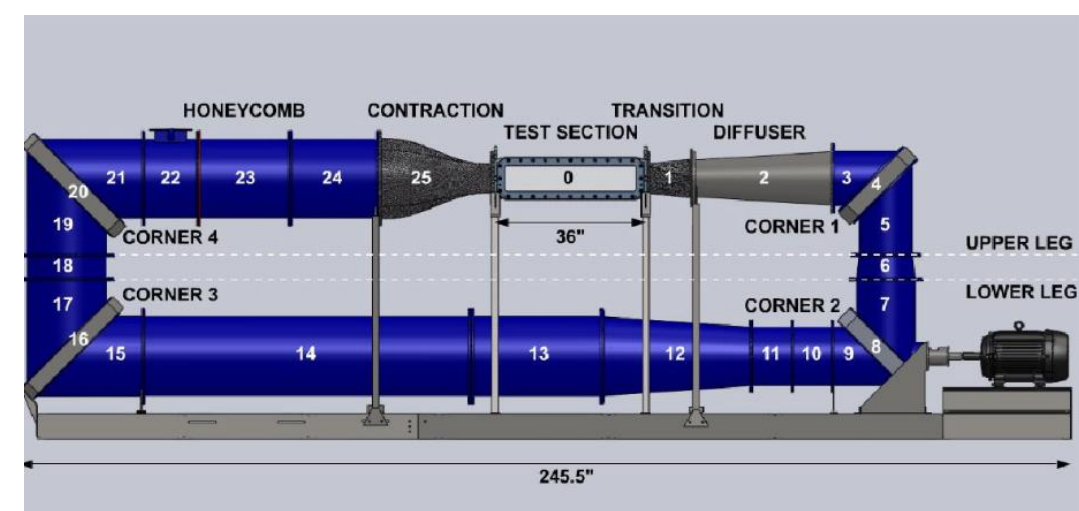
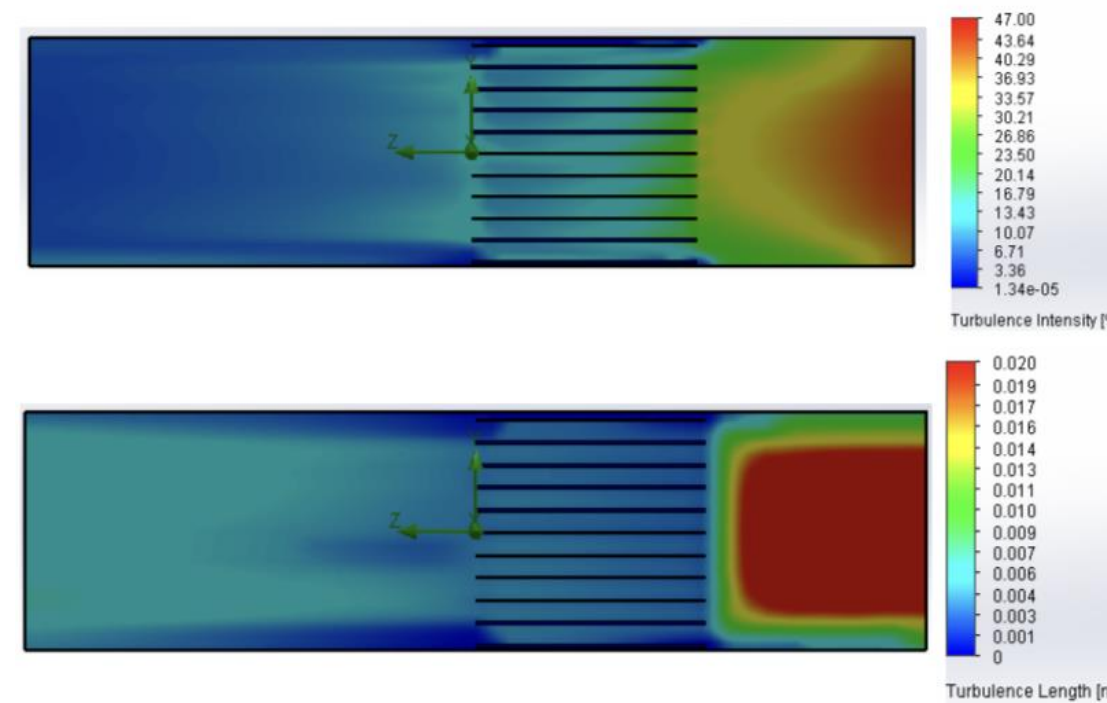
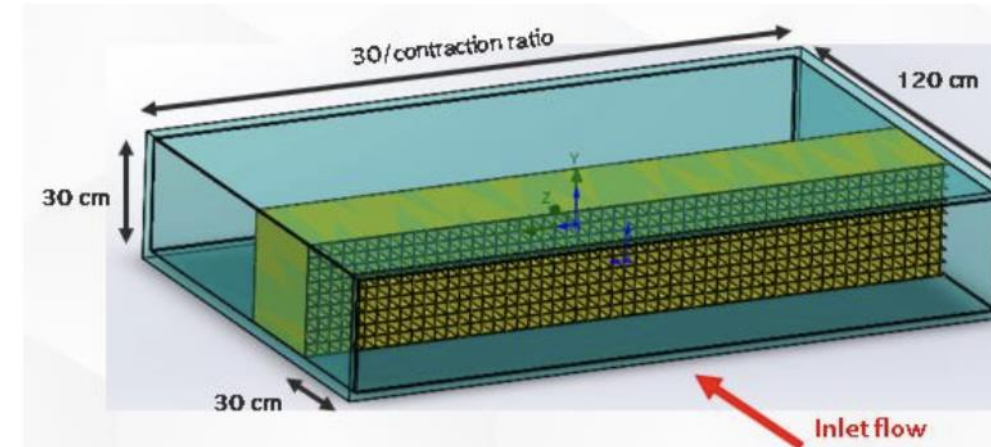


# GLOBAL DESIGN TEAM PROJECT

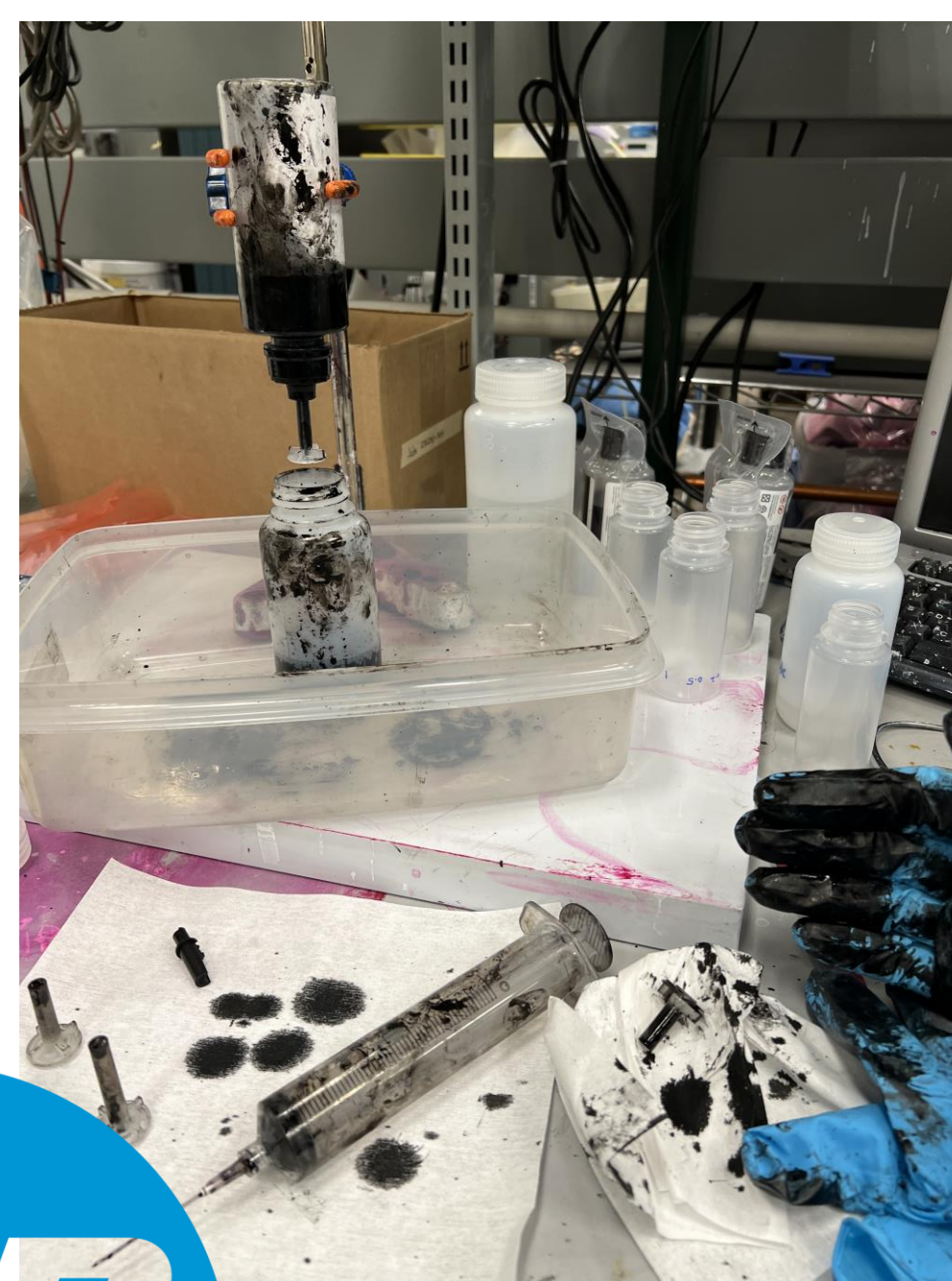


Design and dimensioning of water tunnel

Design of flow conditioning system



# DOMESTIC WORK EXPERIENCE



# Ryan Brown

## ABSTRACT

During my GEARE experience, I had the opportunity to work with students from France and Mexico on a design project, intern domestically for HP Inc., as well as spend 7 months in Spain studying abroad in Madrid and working in San Sebastian. Through this experience, I have improved not only my technical, engineering knowledge, but also my collaboration and teamworking skills while working on international teams.

### Global Design Team Project (Fall 2021):

- Collaboration with UNAQ (Mexico) and ESTACA (France)
- Design of a water tunnel, specifically the flow conditioning section
- Learned from more experienced engineering students about concepts such as fluid dynamics and system modeling
- Produced a technical report with relevant project information

### Domestic Work Experience (Summer 2022):

- Member of print systems R&D team for HP in Corvallis, OR
- Mainly responsible for design and implementation of experiment involving ink bottle drain into CISS printer tank
- Worked on ink level sensor calibration
- Produced and presented a summary of experiment and results to team

### Study Abroad (Spring 2023):

- Attended Universidad Carlos III de Madrid
- Took and passed four engineering and elective courses
- Had the opportunity to travel to five countries around Europe as well as throughout Spain.

### International Work Experience (Summer 2023):

- Worked as part of engineering sales team to complete anti-vibration calculations for customers
- Completed axial stiffness tests and characterization for a variety of different anti-vibration mount geometries
- Designed and produced ten product application catalogues
- Collaborated with engineers from various international backgrounds
- Improved intercultural communication and Spanish skills

## KEY TAKEAWAYS

- Living abroad was a difficult adjustment initially but a worthwhile experience.
- Workplace cultures domestically and internationally were very different.
  - Varying communication styles
  - Differences in company objectives
- Being a part of a multicultural engineering team can be challenging but very rewarding since everyone can bring a unique perspective to the problem.

# STUDY ABROAD



# INTERNATIONAL WORK EXPERIENCE

