Thilanka Munasinghe
Lecturer
Information Technology and Web Sciences

Amos Eaton 133 – Rensselaer Polytechnic Institute
Phone: (857) 998-7451
Email: munast@rpi.edu
Web: http://thilankam.github.io

INFORMATION TECHNOLOGY AND WEB SCIENCES

February 3rd 2021,

Dear Alex He,

<u>Unpaid ILE-Research Opportunity – Investigating Air Pollution Effects on Human Heath</u>

I am pleased to extend you an invitation to work on the research project on Investigating the Air Pollution Effects on Human Heath as part of your ARCH away semester during Spring 2021 under my supervision. This appointment is effective from Feb 08, 2021, through May 14, 2021. Your expected time commitment is 20 hours per week by working remotely.

During this study, you will be exploring the datasets obtained from NASA and NOAA to investigate the impact of wildfire emissions on air pollution and air pollutants on human health, such as PM2.5/O3/NO2 on asthma or any other reported health conditions. You will conduct various machine learning and data analytics techniques to investigate the cost of human health due to air pollution. You will have weekly meetings to discuss your progress, and at the end of the study, you are required to write a research paper based on the finding and submit it to a peer-evaluated conference and also submit a copy of the final research report to the Office of Undergraduate Education by the end of the Spring 2021 semester.

Please feel free to contact me if you have any questions.

Thilanka Munasinghe

I accept this offer of unpaid internship.

Signature: _____

Name: Alexander He
_____

Date: February 3, 2021
_____