**Initial Proposal Form – 2021/22**

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| Programme of Study: | MSci Computer Science |
| Student Name: | Yulong Cui |
| Student Number: | 190198653 |

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| Potential Supervisor: | Arkaitz Zubiaga |

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| Proposed Title: |
| Hate Speech Filtering web extension using Natural Language Processing(NLP) |

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| Proposed Aim: |
| My aim is to minimise the amount of hate speech a user is exposed to at any given time while browsing through the internet. I want to build a web extension that filters hate speech on user’s webpages using NLP. Texts on the webpage are filtered through, if hate speech is detected, a pop-up warning message will be displayed. User then has a choice of closing the webpage or continue to visit the webpage. |

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| Rationale |
| In the past year or two, the world has woken up in regards of racism whether it is in real life or in the online community. As a ‘minority’ myself, I have personally experienced hate speech more so online than in real life. I also know a few friends that have also experienced it. It is not right and some of the bigger social media companies are failing to find and punish individuals for their actions. Me as an individual does not have the power to punish those people but I can try to avoid seeing these hate speeches to protect my mental health. Thus, an extension that filters out hate speeches is needed to solve this problem. |