

ADAPT Undergraduate Internship Programme 2017
PROJECT DESCRIPTION

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| <i>Institution/Team:</i> | Trinity College Dublin |
| <i>Project Title:</i> | The Ethics Canvas |
| <i>Suitable for students who are studying in the following areas:</i> | Computer Science |
| <i>Skills needed:</i> | Client and server web application development including Javascript, some database skills, web user interface design skills |
| <i>Project Description:</i> | <p>The ethical implications of modern digital applications is growing as they encroach on more and more aspects of our daily lives. However the techniques available for analysing such ethical implications struggle to keep up with the pace of innovation in digital businesses, and tend to require the mediation of a trained ethicist.</p> <p>The Ethics Canvas is a simple tool to enable application development teams to brainstorm the ethical implications of their designs, without oversight of a trained analysts. It is inspired by Alex Osterwalder's Business Model Canvas which is now very widely used in digital business formation. The Ethics Canvas exists both as a paper-based layout and as a responsive web application (see https://www.ethicscanvas.org/).</p> <p>Currently the online version can only be used by individuals, but cannot be used in the collaborative mode that is a key benefit of paper version. This project will extend the ethic canvas implementation to support remote collaborative editing of the canvas. User should be able to form teams and then review, make changes, comment on discuss, accept/reject changes and track/resolve issues.</p> <p>Further, the digital application development community could benefit from sharing previous ethical analyses using the online ethics canvas. The benefit of such sharing would be magnified if it led to a convergence in the concepts used in different canvas analyses. Therefore the project will allow teams to publish their canvas into a public repository and to annotate its content with tags from a shared structured folksonomy, i.e. a community-formed ontology capturing concepts such as different types of users, user groups, personal data, data analyses, sensor data, and risks. Within an individual canvas, tags can be used to link entries in different boxes to provide more structure to the canvas. The aggregation of tags from different completed canvases forms a folksonomy that can be made available as an open live linked-data data set and searchable by ethics canvas users."</p> |
| <i>The Role of the student & benefits</i> | To further develop, test and deploy the ethic canvas application in collaboration with its design team. |

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| <i>gained from participation in this project:¹</i> | The student will gain practical web application development skills | |
| <i>Who will be working with you?</i> | The project would involve consultation with external stakeholders from DCU Institute of Ethics and Accenture. | |
| <i>Short description of the group:</i> | The work will be conducted as part of the ADAPT Theme E consisting of experts in data ethics, data protection and data management. | |
| <i>Recommended Reading Material:</i> | Visit and try out: https://www.ethicscanvas.org/ | |
| <i>For further details on this project please contact:</i> | Name: Phone: E-Mail: Website: | dave.lewis@adaptcentre.ie |

¹ *This is an initial description of the role of the student and it is liable to change following discussions between the investigators and the student.*