

**Project Number:** 1

**Project Title:** AcademicHub

**Project Clients:** Will Midgley

**Project specializations:** Software Development;Web Application Development;Artificial Intelligence (Machine/Deep Learning, NLP);

**Number of groups:** 2 group

**Main contact:** Will Midgley

**Background:**

Academics have lots of spinning plates to keep track of: HDR students; journal papers; conference papers and deadlines; reviewing of journal papers; and undergraduate students. They also have to keep track of their metrics for things like grant proposals and awards applications.

It would be great to have this all in one web interface that allows academics to keep all of the relevant information in one place.

Harzing's Publish or Perish is a frequently-used software tool to keep track of academic metrics.

**Requirements and Scope:**

Build a single piece of software that can bring together the various threads of an academic's life.

One (ideally online) portal should show an academic a snapshot of the status of the various parts of their role. It should be possible to drill down into details, and see visual representations of key metrics like citations and publications.

**Required Knowledge and skills:**

Requirements:

- Online portal
- Use API calls to extract information from databases like ORCID and Web of Science
- Summarise current journal submissions and statuses
- Summarise in-progress journal/conference submissions
- Summarise students (this may have to be manual data-entry for the academic, unless you can organise access to the Uni's student information system using SSO)

Additional:

- Use Uni SSO
- Ingest emails and use them to update e.g. manuscript and reviewing statuses
- Automatically scrape conference deadlines

**Expected outcomes/deliverables:**

Codebase

Database schema

Documentation

User guide