Find-an-Expert

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The *Find An Expert* project

       Linking the external world with Faculty of Science expertise

              industries
              not-for-profits
              prospective graduate students
              media outlet

The Current Approach

https://www.ualberta.ca/science/research-and-teaching/research/find-an-expert

The Find an Expert database required a human expert to create it.

All the keywords were manually determined and entered by a human.

> Professors come, they leave, and they shift their research agendas over time.

The keyword matching itself is flawed.

//www.ualberta.ca/science/research-and-teaching/research/find-an-expert

> software engineering
> dinosaurs
> palaeontology

The quality of the entries is highly variable.

Data sources for a better approach (in no particular order)

- Publicly available databases of recently funded NSERC grants (includes "lay" paragraphs and keywords)   - shows recent grants

- ORCID and ResearcherID
    https://www.ualberta.ca/science/about-us/contact-us/faculty-directory/philip-currie

- Some very good researcher web pages

Ideal Features of a better solution (besides automating)

- Mixes "area expertise" with "methodological expertise"
    - *see:* Robert Campbell 's entry

- Balances between comprehensible words about "what it's good for" with the hard core science terms

    - *See:* Jillian Buriak entry   vs. John Davis entry

        What else do we know about John Davis?

        https://sites.ualberta.ca/~jdavis/
        https://sites.ualberta.ca/~jdavis/research.html

- Reflects a good sense of what an informative set of keywords would be for a mixed audience
    - The current keyword sets not be regarded as what to aspire to!
    - *See* Shelagh Campbell keywords vs. Shelagh Campbell ORCID page