

Research IT: RSE and Apps Support

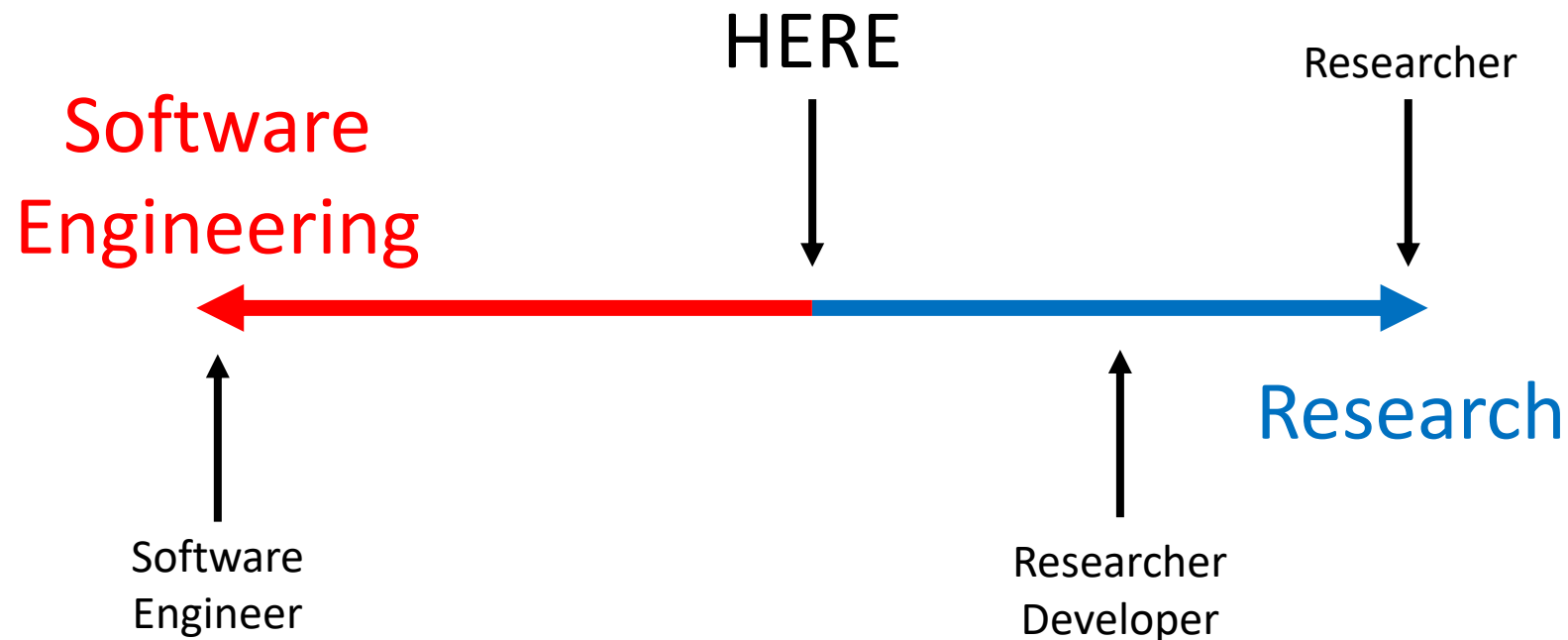
Robert Haines

robert.haines@manchester.ac.uk

Research IT Club, 4th April 2019

**BETTER
SOFTWARE
BETTER
RESEARCH**

What is a Research Software Engineer?



The Craftsperson and the Scholar



James Hetherington: <http://www.software.ac.uk/blog/2012-11-09-craftsperson-and-scholar>

Are you a Research Software Engineer?

- Are you employed to develop software for research?
- Are you spending more time developing software than conducting research?
- Are you employed as a postdoctoral researcher, even though you predominantly work on software development?
- Are you the person who “does computers” in your research group?
- Are you sometimes not named on research papers despite playing a fundamental part in developing the software used to create them?
- Do you lack the metrics needed to progress your academic career, like papers and conference presentations, despite having made a significant contribution through software?

Join the UK RSE Community

- Careers
- Events
- Training
- International links
- Coming soon:
***“Society of Research
Software Engineering”***
 - Professional society
 - Registered charity status
- www.rse.ac.uk



RSE noticeboard

More RSEs!

- We have recently recruited more RSEs
 - March 2019
 - Ian Cottam
 - Adrian Harwood
 - May 2019
 - Patricia Barnby
 - Robin Long



New publication

- Largest ever map of human Alzheimer's brain published

- Dr. Richard Unwin – PI, FBMH
- Phil Bradbury – RSE, Research IT

“The support we received from Research IT really did make a huge difference to this project and enables us to share more data in a more user-friendly format that we’ve previously been able to.”

- Paper – Communications Biology:

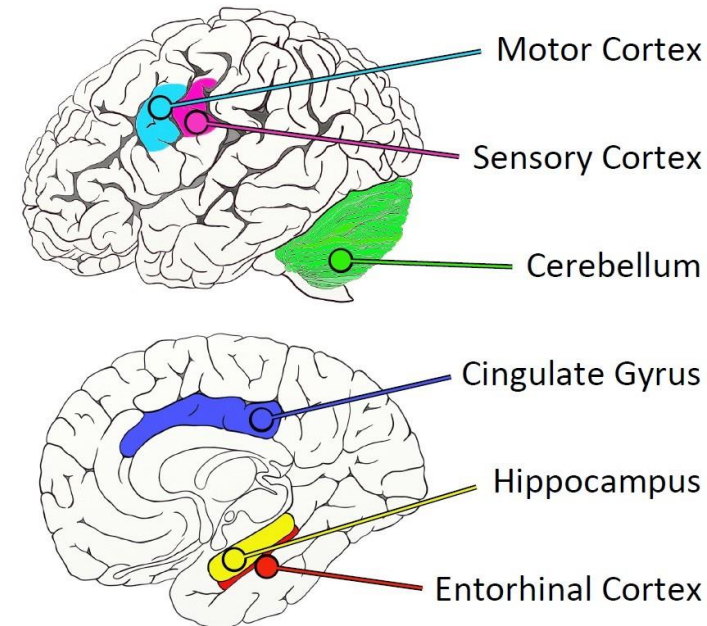
- <https://www.nature.com/articles/s42003-018-0254-9>

- Data:

- <http://www.dementia-proteomes-project.manchester.ac.uk>

- More info:

- <https://researchitnews.org/2019/02/04/alzheimers-brain>



Training and drop-in sessions

- Introduction to Linux/UNIX shell
- Introduction to Python
- Programming in Python
- Introduction to Data Visualization
- Introduction to HPC and using the CSF
- Automation and Make
- LaTeX course (inc. UoM Thesis template)
- Data Analysis with R
- Interactive data viz with R and Shiny
- Version control with Git and GitHub
- Introduction to MATLAB
- Introduction to Mathematica

• More information + online courses here:

5 Jun

TBC

15 May

TBC

22 May

24 Apr

10 Apr

29 May

TBC

TBC

8 May

TBC

<http://bit.ly/2w6TfC0>

Training courses: 2019



Drop in sessions

- Every two weeks around campus
- No appointment necessary
- Anything Research IT related
- If we can't solve your problem right away, we'll get back to you
- Come and see us (1400-1500):
 - 1st May – Schuster Building Annexe
 - 15th May – Kilburn, Byte Café
 - 29th May – Michael Smith, Foyer
 - 12th June – Ellen Wilkinson, Grad Atrium
- See the blog/newsletter for other dates as they are announced



How to contact us

- Website:
 - <http://www.itservices.manchester.ac.uk/research/>
- IT Services Support Centre:
 - <https://supportcentre.manchester.ac.uk>
- Twitter:
 - [@UoM_eResearch](https://twitter.com/UoM_eResearch)
- Blog:
 - <https://researchitnews.org/>
 - Sign up to our newsletter here

