







# Angela M.J. MORTIER

Python programmer

## CONTACT

  
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## EDUCATION

PhD Astrophysics  
*University Of Kent*  
2002-2006

BA, MSci Natural Sciences  
*University of Cambridge*  
2:1 (Physics)  
1998-2002

## KEY SKILLS

programming:  
python   
IDL   
matlab   
fortran   
visual basic   
command line   
& shell scripting:  
windows   
linux   
version control  
Git / GitHub  
HTML, CSS  
SQL  
REST APIs

## STRENGTHS

Problem-solving  
Thriving in teams  
Maths and statistics  
Modelling & big data  
Delivery to deadlines  
Independent working  
Attention to detail  
Communication:  
presentations, writing,  
public speaking

## CAREER OBJECTIVE

As an enthusiastic and skilled software engineer, I love problem-solving and creating great products that can make a difference in the world. I have 12 years experience writing software in academic teams, using statistical methods to analyse astrophysical data.

I am looking to continue developing my skills by working in the tech industry to produce production code in agile teams.

## WORK EXPERIENCE

### • DfE Skills Bootcamp HyperionDev in Software Engineering

16 weeks March-July 2023

Development of technical portfolio including:

*python, OOP design, HTML, CSS, SQL, Git, GitHub, RESTful APIs, defensive programming, TDD*

### • Tnfour Computer Systems Ltd, (Microsoft partner) London UK. Internship

1998-2001

· Wrote visual Basic and SQL database code for clients such as TfL.

## PREVIOUS ACADEMIC EXPERIENCE

University of Nottingham, UK.

*Postdoctoral researcher.* 2012-2014

· Project planning.  
· Leading teaching team for undergraduate physics practical classes.

Imperial College London, UK.

*Postdoctoral Research Associate* 2009-2012

· Wrote software to create monte-carlo models of galaxy emission.  
· Bayesian statistics

Institute for Astronomy, Royal Observatory Edinburgh, UK.

*Postdoctoral Research Associate* 2006-2009

· Wrote shell and IDL scripts to analyse data, including fast fourier transforms for statistical analysis of timeline data.  
· Publishing in academic journals and presenting work at conferences.

## VOLUNTARY WORK

· *Primary school governor* for two Cambridgeshire primary schools Meridian Primary School, Comberton and Coton C of E (VC) Primary School incl. headteacher recruitment, finance, strategy.

· *STEM ambassador* in local primary schools and youth groups.

· *Parent-Teacher Association chair and charity trustee.*  
Relaunched and restructured the charity and delivered financial recovery post-COVID.

References available on request