





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