



Angela M.J. MORTIER

Python programmer

CONTACT



[linkedin.com/in/amemorie/](https://www.linkedin.com/in/amemorie/)

[amemorie](#)

[amemorie.me](#)



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.

Internship

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

· Monte-carlo modelling 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.

· Used 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