



James Derrick

Software Engineer II

"Well yes, but actually no."

BIO

James studied Physics at Imperial College London where he was first inspired himself to teach Python during the Computational Physics course.

One PhD in numerical simulation and 3 years of professional work as Software developer later he draws on his experiences to teach others the Python he wishes he'd known.

GOALS

- Entertain and enrapture through teaching
- Espouse the benefits of Python to a wide audience
- Show the world that programming isn't hard and any old plonker can do it

ANSYS EXPERIENCE

James started as part of Granata Materials Intelligence as a Python specialist writing bespoke code directly for customers. However, this quickly morphed into a role resembling a full-time developer as his passion for user experience caused him to take on the creation of a new 1.0 Python API which has gone on to become one of Granata's most popular products. After Ansys acquired Granata he has since transitioned into the DevOps team where he produces educational content for Ansys engineers and develops PyMAPDL in his spare time.

SPECIALTIES

- Python
- Scientific Python
- Shock Physics
- Impact modelling
- Internet culture

INDUSTRY INTERESTS

- Data visualization
- Python APIs
- Python packages
- Shock-compaction of granular materials



PROFESSIONAL

EDUCATION

Physics MSc – Imperial College London

Numerical Simulation Shock Physics PhD – Imperial College London

Software Carpentry Instructor – Software Carpentry

PERSONAL

INTERESTS

Medieval Sword fighting at the Cambridge Medieval Fighter's Guild, Amateur Cellist, Hiking

LANGUAGES

English

COMPETENCIES

SIMULATION



ENGINEERING



LEADERSHIP



Ansys PHYSICS

