

# IAN ROSE

Data scientist/geologist

## PERSONAL INFORMATION

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## EDUCATION AND WORK

<i>Postdoctoral Fellow</i>	2016-2017	The University of California, Berkeley Berkeley Institute for Data Science Core developer for Project Jupyter, developing the next-generation frontend for Jupyter notebooks: JupyterLab
<i>Ph.D.</i>	2009-2016	The University of California, Berkeley Earth and Planetary Science Thesis: <i>True polar wander on convecting planets</i>
<i>B.S.</i>	2005-2009	Yale University Geology and Physics

## COMPUTING

<i>Languages</i>	C, C++, Javascript, Typescript, Python, MATLAB/Octave, bash, awk, HTML
<i>Software</i>	L <sup>A</sup> T <sub>E</sub> X, git, node, Jupyter notebooks, standard *nix tools
<i>Operating systems</i>	Linux, Mac OS X, Windows

## SOFTWARE PROJECTS

<i>ASPECT</i>	Finite element software for mantle and lithospheric dynamics simulation. (frequent contributor)
<i>BurnMan</i>	Python library for generating thermodynamic and thermoelastic models of planetary materials. (co-author)
<i>Interactive Earth</i>	Educational software for teaching about the physics of planetary interiors, including thermal and thermochemical convection and seismic tomography. (author)
<i>JupyterLab</i>	Next generation front-end for Jupyter. (core developer)
<i>buckinghampy</i>	Educational Python module for performing dimensional analysis. (author)

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