

Alexey Tarutin

Computer skills

Programming Python, R, C, Matlab
HPC MPI, OpenMP
Admin ssh, shell, kvm

Development Git, Visual Studio, JIRA
Systems Linux, Windows
Office Excel, Word, PowerPoint

Education

Sep 2015–Present **Master of Science**, *High Performance Computing with Data Science*,
University of Edinburgh.

Aug 2010–May 2014 **Bachelor of Science**, *Applied and Computational Mathematics*,
University College Dublin, Dublin 4.
Second Class Honours, Upper Grade

Work experience

May 2016–Present **Data scientist and programmer**, GLOBAL SURFACE INTELLIGENCE LTD.,
A company specialising in Earth remote sensing and predictive analytics.

- Streamlined the update process for MODIS data.
- Improved efficiency and performance of R analysis scripts.
- Designed rigorous tests on a web-based frontend for HPC job submission.

Tools used: R, Python, Selenium, bash, curl, awk, wget.

Languages

English Native proficiency
Russian Native proficiency
German Intermediate proficiency CEFR B1.2

Volunteering

Aug 2016 **Instructor and helper**, DATA CARPENTRY EDINBURGH,
Provided assistance to attendees by answering questions.

Aug 2016 **Instructor and helper**, SOFTWARE CARPENTRY EDINBURGH,
Instructed spreadsheet part of workshops, assisted at other parts.

Jun 2016 **Student Volunteer**, ISC 2016,
Provided support to network, speakers, and workshops.

Feb 2015–Present **First Aider**, ST. JOHN AMBULANCE BRIGADE OF IRELAND,
Provided first aid at sporting, music, and community events.,
Qualifications held: First aid certificate.