Kieran Fox

Data scientist

+44 7526 474987
Skype: live:kieranfox7
kieranfox7@gmail.com
LinkedIn/kieranfox7
github/foxfoxfox7
Website

Objectives

I am passionate about problem solving. I love being presented with difficult tasks and using the tools at my disposal to think of creative solutions. To that end I want to learn a wide range of skills so that I can tackle anything. I am first and foremost looking for an environment where I can learn and grow.

My best skill is working to understand complex topics and disseminating the information to non-specialists or specialists in other fields. I have presented my highly specialised work to a range of audiences at international conferences as well as at smaller internal meetings.

Skills

Programming proficiencies: Python [NumPy, Pandas, Matplotlib, Seaborn, SciPy]
Familiar with: BASH, C++, HTML, Matlab
Computational: Linux, Version control, Jupyter, SQL
Technical: Statistics, Linear algebra
General: Presentations, Paper writing, Teaching, Project management

Work Experience

Post doctoral researcher - *Charles University* *Jan' 19 - Current*

- Interpreted the results of the group's python package which generated high volumes of data, describing the change of biological systems over time.
- Presented my work to wide audiences at international conferences in Austria and Mexico.

Quality Analyst - *Glaxo Smith Kline* *Nov' 13 - Jul' 14*

Education

PhD Biology - *Queen Mary University of London* *Sep' 14 - Aug' 18*

- Modelled complex biological processes as a series of linear algebra operations leading to four **publications**.
- Led projects with teams of up to six people which involved teaching skills to junior researchers, directing work flow and reporting on progress.
- Wrote C++ code for data manipulations, speeding up necessary processes to manageable timeframes. This was used by the whole lab.
- Presented findings both internally and at international conferences and won the Clyne Prize for the best final year presentation in science.

Master of Chemistry *(Hons.),* **2:1 -** *University of Sussex* *Sep' 09 - Jul' 13*

Projects

Quantarhei

- Wrote code for a group python package designed to simulate experimental data. It is hosted on github and available on pip.
- Implemented a set of time saving solutions, reducing the time taken for calculations by up to 90%, allowing for calculation of much larger systems.
- Introduced memory saving devices by removing memory leaks and taking small costs in time to write to disk where necessary.