Robert Moore

PERSONAL DETAILS

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EDUCATION

School `2008-2015`

Trinity School Croydon

    A levels: A*A*AB in Maths, Further Maths, Physics and German respectively.

Currently in final year of BEng Computing `2015-present`

Imperial College London

    - The title of my dissertation is "Adaptive processing for graph databases". I am attempting to apply a similar line of thought to Stratos Idreos' "Database cracking" paper (https://stratos.seas.harvard.edu/publications/database-cracking) to graph databases, by finding a fixpoint for the data layout in memory under a given workload and ensuring that every query brings the data closer to this fixpoint.

    - Of the courses I have taken, I have most enjoyed networking and communication, simulation and modelling and advanced databases.

EXPERIENCE

Intern Developer `2017`

First Derivatives, 3 months

    - Created a pricing tool by implementing a fully automated benchmarking tool which helps the pre-sales team quickly approximate a client's expected cost.

    - Moved a potential client's data quickly into KDB by implementing a fully-automated pipeline from their FTP server into a running instance of FD's new product which led to a successful demo.

    - Assessed global deployment possibilities by researching relevant AWS products and their prices, which helped the team make a decision on how to deploy the upcoming product.

Junior Developer `2016`

Caplin Systems, 6 weeks

    - Created the signle sign-on web application in Java for one of Caplin's trading applications. It sends emails and interacts with the permissions rest API for the trading application, and I also implemented end-to-end encryption from browser to database, with the data being salted and hashed for security before persistence.

Intern Developer `2015`

Caplin Systems, 2 weeks

    - Developed Caplin's product roadmap visualisation tool by working with another employee to improve the UI and implement new features using Javascript, HTML and CSS, allowing product managers to better show client's the progress of development.

Intern developer `2015`

Springer Nature, 2 weeks

    - Fixed bugs within a backend legacy system of springer.com working in Scala.

Intern developer `2014`

Caplin Systems, 2 weeks

    - Created plugins for the bladerunnerjs framework in Java for use in demo and training material.

Intern developer `2013`

Caplin Systems, 1 week

    - Created an automated tool using TDD for translating and formatting XML documentation files into readable HTML pages, enabling the quick creation of product documentation. (https://github.com/robknows/XMLtoHTMLConverter)