

# Mr Vasily Shelkov

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## PERSONAL STATEMENT

As a computer scientist, I feel unrestricted because to me, becoming a problem solver means being interdisciplinary. The one year placement at Goldman Sachs has kick started my career in technology. My flexibility to adapt to different industries shows in my other work experience where I have had the opportunity to dive into the media, catering, education and even scientific sectors.

I have stopped seeing software development as work because I enjoy it so much. Test driven development, high test coverage and continuous deployment are all key principles that I strive for when projects allow for it.

Growing up in a Russian bilingual family, and being fortunate enough to have travelled extensively to four continents has given me transferable skills that prevail in my work. Having an understanding of different cultures allows me to relate to many different kinds of people which is useful for both integrating myself into a new company, team or making a client feel comfortable.

## EMPLOYMENT

### Hearts Academy Trust London - <http://www.heartsacademytrust.co.uk/> Summer 2015 - Present Sole Software Developer

Hired to modernise the websites of the Trust's schools. Previously their websites were purely static pages that were managed by parents infrequently.

Involved full stack development:

- Designing the data models' architecture dependant on the client's needs for all 5 schools.
- Building an administration panel to allow the schools to manage their content without my professional input (built with **Python's Django** framework).
- Designing and building the client side web applications which users could view the school's managed data (built using HTML5, CSS3, **ES6 Javascript, ReactJs, NPM Libraries**).
- Finding a free hosting solution for the above applications (using <https://www.openshift.com/>).

The first completed website can be found here: <http://stambridge.essex.sch.uk/> .

### Goldman Sachs, 1 Year Placement London June 2014 – July 2015 Technology Analyst – Software Development [extended from 12 to 13 months]

I was placed in Risk Technology where I learnt how to build large scale technologies; it was critical to write highly optimized code with time sensitive systems in the financial industry.

I was given freedom and independence in my project work. On a daily basis I was developing and presenting with colleagues across different time zones. It created different types of challenges and improved my communication skills, especially with different cultures.

The placement presented a number of technical challenged including:

- Quickly learn their bespoke language: Slang.
- Get up to speed with and upgrade projects to **Java 8**.
- Become familiar with the concept of big data.
- Develop modern web services.

### Social Sheffield - <http://www.socialsheffield.net> 2013 November Web Developer [during full-time education]

Employed by Social Sheffield: an upcoming social events and venue site which is meant to be a means for venue or event holder to post their event on. The site was still a work in progress at the time, there was nothing else in the market which provided this complete service in the city at the time.

Responsibilities included:

- Adding new functions to the website using **Ruby-on-Rails** (self-taught myself while working)
- Organised management for a small team of 5 students to increase productivity after the work ended.

### News International London – <http://www.news.co.uk> 2011 March – 2011 April Technology Work Experience

Work experience involving shadowing their technology department which included a team of testers, Java designers, data analytics, web developers and network maintenance. This is what made me realize that this is the industry I want to be and excel in.

**Software Development Intern**

Work based in the OpenSpace Research Centre, developed a small project using a programming language that I learnt whilst there called LabView. This project was designed to be a computer interface for a valve controller of their Mass Spectrometer. I understood that once you learn the foundations of computing, it can be applied to any language and therefore not limiting myself to any particular programming language.

**Other Employment:**

- Insurance Broker, **Marsh & McLennan** in the City of London (work experience)
- Part-time employment at a graduate recruitment company called **BrightSparks** ([www.brightsparkslife.com](http://www.brightsparkslife.com)) which provided temporary work in hospitality at special events such as Trafalgar Square for Canada day and Goodwood Festival of Speed. Required to work in a pressured environments to short-term deadlines in direct contact with clients and having to work long hours due to the nature of the work.

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**KEY SKILLS**

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**Technical Skills**

- Advanced in modern front end development - HTML, CSS, Javascript and libraries such as AngularJS, ReactJS and NodeJs.
- Advanced with Java 8, Python, Django, Relational databases (particularly MySql, DB2 and Sybase)
- Intermediate in Ruby-on-Rails, some scripting languages such as Perl and Matlab.

**Personal Skills**

- Bilingual – I can speak and write fluently in Russian and English
- I challenge myself and like being put out of my comfort zone to be tested.
- Prefer working in a team as I believe there is greater creativity and productivity as a result of it.
- Committed to work flexible hours and previous work has required to work from early hours (from 5am) and the opposite of the spectrum (until 3am)
- Adaptable to learn new technical skills
- Quick and efficient in learning new programming languages.

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**EDUCATION**

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**University of Sheffield****Graduating 2016****Computer Science with employment experience BSc**On track for a 1<sup>st</sup> degree**Forest Secondary School & Sixth Form** Greater London**A-Levels**

Russian | A - Mathematics | B - Computing | B - Economics | C

**GCSE**

Mathematics | A\* – Information Technology | A\* – Russian | A\*...5 subjects at grade A...D.T | B and German | C

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**PERSONAL ACHIEVEMENTS AND HOBBIES**

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- Reached the national finals of the Engineers Without Borders UK challenge representing the University of Sheffield (2012)
- Reached the finals of Barclay's OpenMind Hackathon November 21<sup>st</sup> 2013
- Participated in the computer Olympiad due to interest in programming during A-Levels
- Student Representative for Computer Science 2<sup>nd</sup> year (2013)
- Computer Science Mentor at the University of Sheffield (2015)
- Part of a competitive men's hockey club and University Hockey club
- Travelling
- Duke Of Edinburgh Bronze and Silver Completed

**References on request**