Doniyor Ulmasov

Employment:
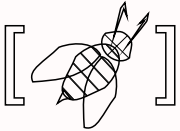
Full-Stack Developer @ UENI (2017 - Present)
- Worked on the web-app with React and Redux
- Implemented new ends points with tests on the python based back-end systems

Full-Stack Developer @ Shopological *(formally SalesGossip)* (2016 - 2017)
- Set up an ELK stack, for storing, parsing and analysing logs from all the services.
- Built a recommendation engine based on the users behaviour and proprietary data.
- Implemented new website design and layout with SASS and Bootstrap.
- Built and deployed Personalised Alerts System
- Planned, and implemented a Data Processing pipeline with AWS Kinesis

Projects:

Project Bayes: 2015 (Master's Project)
Developed a Bayesian Optimization framework with GUI and CLI. In addition to the framework, a novel Dimensions Scheduling Algorithm (DSA) was developed to address high dimensional problems and to reduce the computation time of Bayesian Optimization.

picAPTCHA: 2013-2014 (Third Year Project at University of Sussex)
Developed an image and gesture based CAPTCHA system, to check if the user is a human or a bot. The project back-end is was built in Scala and MongoDB, whist the front-end used JavaScript with Jquery. The project was deployed on Microsoft Azure and operated for a month for user testing purposes. Majority of the users have reported the picture based CAPTCHA felt faster, more natural, easier and fun. .

XDA-Wallpapers.com: 2009 - 2013 (Personal Project)
Created, designed and maintained xda-wallpapers.com (2009) and fantasy-wallpapers.com (2011) with over 2600 unique visitors a day during the peak popularity.

PixiRacer: 2010 - 2011 (Personal Project)
Designed, and tested iOS and Android game PixiRacer.

Technical Skills (in order of proficiency)

Programming
- Java
- Python
- Scala
- JavaScript
- PHP

Database Programming
- MySQL
- ElasticSearch
- MongoDB
- PostgreSQL
- PigLatin

Frameworks worked with
- Play! Framework (Scala & Java)
- Bootstrap
- Gatling
- React
- Redux

Graphical
- CorelDraw
- Adobe Photoshop

Others: UNIX Systems, JIRA, Confluence

Languages
- English
- Russian
- Uzbek
- Tajik

Tools worked with
- SASS
- Logstash
- Git
- Kibana

Education

2014- 2015 Imperial College London: MSc Computational Management Science

2011- 2014 University of Sussex: BSc Computing for Business and Management (First-class honours)

2009 - 2011 Duff Miller College: A-Levels

2005 - 2009 Tashkent International School

Practical Skills Learned

- Development and Deployment of Applications (Scala/Java) and Databases (MySQL, MongoDB)
- Python and use of Python for data analysis, Bayesian optimization, and linguistics analysis (NLP)
- Application of Neural Networks, Bayesian Inference models and Reenforcement Learning and other Machine Learning techniques on real world problems
- Ways of assessing and finding/creating an appropriate Algorithm to solve a problem

Publications

- Bayesian Optimisation with Dimension Scheduling Algorithm: Application to Biological Systems
26th European Symposium on Computer Aided Process Engineering. Elsevier Science.
17 June 2016. ISBN 978-0-444-63444-3.

Presentations:

- Network on Computational Statistics and Machine Learning (NCSML) (2015)
- 26th European Symposium on Computer Aided Process Engineering (2016)

Organizations

Member of organizing committee at ACM Imperial Student Chapter (2014-2015)

- Helped to organize Imperial College Computing Student Workshop 2015 at Imperial College London
- Web master of the ICCSW15 website
- Designed all the promotional material for the workshop (leaflets, posters, pens, and more)

Awards:

The Intel Code for GOOD Prize @ Hack the Senses Episode 6 Hackathon | Team Belka | June 2016
- Our team build a live 3D generated environment with HTC Vive based from a live feed from EEG data, garnering us a 2nd place at the Hackathon
- Developed band filtering and live streaming of the EEG data over the network via UDP

What I do during my free time:

| Walk | Cook | Play Squash | Read | I really like to Walk | Talk&Chat |

Graphical Design

My interest in computing started with graphical design. I learned CorelDraw when I was 13 years old, and since then I have used those skills in all my school, university and personal projects. I often use the graphical design skills I have developed to quickly prototype ideas, visualize data sets and give my projects a little bit more flair.

Learn

I am one of those people who signs up to half a dozen courses on MOOCs and attempts to study all of them at the same time (not always successfully). I enjoy learning new topics, not only in my area of study, but across multitude of fields, in particular Biology, History and Astronomy.

References available up on request.