

Kashif Raza Khan

Hemel Hempstead, Hertfordshire, United Kingdom
info@kashifkhan.me | 01442 260619

Work Experience

- Mar 16 - Oct 16 Firebox.com: Full Stack Web Developer**
- Developed and maintained the medium-sized ecommerce website.
 - Created an automated tool, which targets users that abandon shopping carts.
 - Provided technical support for coworkers by fixing bugs and realizing ideas.
 - Utilized PHP, Symfony 2, Git, JS, ES6, TypeScript, ReactJS, SQL, HTML, CSS.
- May 15 - Mar 16 Freelance: Full Stack Web Developer**
- Conducted requirements research, analysis and implementation.
 - Developed troubleshooting skills; worked with clients.
 - Built on top of existing systems: TraSer and Sage Accounts on MS SQL Server.
 - Utilized PHP, Zend Framework 2, Git, JS, JQuery, AngularJS, SQL, HTML, CSS.
- May 12 - Dec 12 Euro Car Parts: Accounts Assistant**
- Recommended after exceptional performance during college.
 - Responsible for bank reconciliation of daily journals for over 30 branches.
 - Worked alongside the treasury manager, which gave exposure of financial operations of an international business.

Education

- Sep 16 - Jun 17 University of Cambridge**
- Advanced Computer Science
 - Certificate of Diligent Study
- Sep 12 - Jun 15 Queen Mary, University of London**
- Computer Science BSc
 - First Class Honors
- Sep 10 - Jun 12 West Herts College**
- BTEC Level 3 Extended Diploma in Business and Finance
 - Distinction *, Distinction *, Distinction * (A*A*A* Equivalent / 420 UCAS Points)

Skills

Languages	Java, PHP, Python, JavaScript, TypeScript, HTML, CSS, R.
Tools	Symfony 2, Zend Framework 2, Laravel 5, Django, Git, Angular, React, Gulp, Node, Hadoop, Weka, Python ML.
OS	Windows, Linux.
Databases	MySQL, MongoDB (NoSQL), PL/SQL (Oracle), T-SQL (Windows Server)
Theory/Other	Turing Machines, Turing Notation, Finite State Automata, OOP, Relational Algebra, Database Design, Software Engineering (patterns and lifecycles), UML Design, GUI Design (and analysis), OSI architecture, Multithreading, Scheduling Algorithms, Networks.

Projects and Achievements

- Queen Mary Excellence Scholarship
- Masters research project is undergoing publication with the supervision of Prof. Anuj Dawar.
- Successfully created efficient models of predicting breast cancer relapses. Using R and Python.
- Two-time winner of Data Mining Kaggle Competitions; regression and classification. Pre-processing, RandomForrest, Boosted Gradient Trees, Weka API. Written in Java and Python.
- Top 5 in class for Artificial Intelligence programming competition, involving masters students and classmates. Developing a computer player using alpha-beta search, pruning, evaluation tests and original optimization strategies. Written in Java.
- Top in class for Python/Django Framework coursework; developing RESTful API.
- Top in class project for Advanced Databases using MongoDB. Now used as a marking standard for lecturers. Written using MongoDB, Oracle PL/SQL and NodeJS..

Personal

Topic Areas	I enjoy learning logic and reasoning, developed from my appreciation of the scientific method. I also enjoy the study of computing, mathematics, physics and philosophy, specifically: complexity theory, quantum mechanics, astronomy and Greek and Roman philosophy (the likes of Homer, Plato, and Lucretius.) I am actively studying undergraduate mathematics in my spare time, currently teaching myself Calculus.
LinkedIn	linkedin.com/in/kashifkhanpublic
Github	github.com/quasipolynomial