

Mohammad Ali Khan

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EDUCATION

- **University of Southampton – MEng Computer Science** *Sept. 2011 – Present*
Expected Grade: First (Current average: 71%)
- **Beaconhouse Educational Complex, Pakistan – A Levels** *Sept. 2009 – June 2011*
Maths (A*), Thinking Skills (A*), Chemistry (A), Physics (A), Further Maths (B)
- **Preparatory School Islamabad, Pakistan – O Levels** *Sept. 2007 – June 2009*
Maths, Add Maths, English Language, Chemistry, Physics, Biology, Urdu, Pak. Studies, English Literature (A), Islamic Studies (B)

WORK EXPERIENCE

- **J.P. Morgan Chase & Co. (London, UK) – Technology Intern** *June 2014 – August 2014*
 - Project Manager in Global Finance Technology – managed a project regarding changes on the company systems
 - Developed helpful macros for creating custom excel sheets for Project Managers
 - Wrote documentation for and performed demonstrations of an internal product
- **Micro Focus Ltd. (Newbury, UK) – Product Development Intern** *June 2013 – August 2013*
 - Remade company product working in Java and using agile software development methodology (scrum).
 - Worked on command line interface, graphical user interface, file handling, search and testing of the application's components.
 - Researched different searching and file reading algorithms, running benchmark tests to compare efficiency results against different file sizes.

RELEVANT COURSES

- Programming Principles, Advanced Programming, Operating Systems, Software Engineering, Discrete Mathematics, Software Analysis and Design, Artificial Intelligence, Databases, Communications and Networks, Machine Learning, Scripting Languages, Advanced Networks, Advanced Databases, Computer Graphics

PROJECTS

- PrivacyMatters, an online website allowing people to view data policies for UK registered companies
- Part of development team of Type Pong, an online web game which allows users to improve their typing skills while playing Pong
- Developer for Yomp.It, a web application designed to visualise project landmarks and objectives
- Designer and Webmaster for iDeal, an Android application that gives users the best place to shop based on their entire shopping list (as opposed to just one item)
- Part of IT Team for Enactus Southampton to help design websites for different projects
- Tester for UserTesting.com to review websites and Android applications
- Java program which implements the Mandelbrot and Julia set
- Java program which models a crossword application, with log in, clues etc.
- Technical report comparing smart meetings and face-to-face meetings
- Taught as a maths tutors during my A levels (2010 - 11) to juniors (AS Level)
- President of BEC Futsal Fiesta 2010 to organise the whole sporting event
- Visual Basic application to help a sports shop computerise its records

AWARDS

- 2013 – 27th team in the world in IEEEExtreme Programming 7.0
- 2012 – Participant at "Silicon Valley Comes to UK" in 2012
- 2012 – 3rd UK team in IEEEExtreme Programming 6.0
- 2011 – Regional distinction in Pakistan (northern region) Thinking Skills A Levels
- 2010 – Participant of "Kangaroo Competition"

- 2008 – Winner of Bahria Declamation
- 2007 – Second Prize in Bahria Declamation Competition

SKILLS

- Good knowledge of Java, HTML and CSS
- Intermediate knowledge of C and Scheme, JavaScript, Visual Basic, MySQL
- Basic knowledge of bash, Python, PHP and Perl
- Knowledge of UNIX based operating system
- Mathematics - 97% in A Levels (Completed the two year subject in one year)
- Analytical Thinking - regional distinction in Thinking Skills in A Levels