

Mohammad Ali Khan

<http://themakshter.me/>

8 Kent House, Aylesford Street,
London, SW1V 3QB
+44 74 12360633
mohammad_ali93@live.com

EDUCATION

University of Southampton (Southampton, UK) – MEng Computer Science (*Sept. 2011 – Present*)

- Expected Grade: First (Current average: 71%).

EXPERIENCE

Enactus Southampton (Southampton, UK) – IT Team (*October 2012 – Present*)

- Built websites for HoodAid and Gap&Go.

J.P. Morgan Chase & Co. (London, UK) – Technology Intern (*June 2014 – August 2014*)

- Guided development team in Global Finance Technology through the project life cycle for changes in company systems.
- Developed macros to reduce custom Excel sheet creation time by 95%.
- Wrote revised documentation for an internal product and demonstrated its features to the users.

Micro Focus Ltd. (Newbury, UK) – Product Development Intern (*June 2013 – August 2013*)

- Developed command line interface, rebuilt graphical user interface of company product in Java and wrote tests for application components.
- Researched searching and file reading algorithms, reducing search and read times by 30%.

RELEVANT COURSES

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- Programming Principles, Advanced Programming, Data Structures and Algorithms, Software Engineering, Discrete Mathematics, Software Analysis and Design, Artificial Intelligence, Databases, Intelligent Algorithms, Communications and Networks, Machine Learning, Scripting Languages, Advanced Networks, Advanced Databases, Computer Graphics.

PROJECTS

IdeaBoard (2015)

- Web application allowing people to create boards with customisable notes. *JavaScript, NodeJS, HTML, CSS.*

PrivacyMatters (2014)

- Web application allowing people to view data policies for UK registered companies in visualised format. *Java, Play Framework, HTML, CSS, JavaScript, Bootstrap.*

Type Pong (2013)

- Web game to help users improve typing skills while playing Pong. *Python, HTML, CSS, JavaScript.*

Clangers (2013)

- Graphical application depicting world of Clangers (stop-animation series). *Blender, C++, OpenGL.*

Yomp.It (2013)

- Web application to visualise project landmarks and objectives. *C#, HTML, CSS, JavaScript.*

Crossword Application (2012)

- Crossword puzzle application, allowing for custom crossword puzzles and clues. *Java.*

Fractal Viewer (2012)

- Application showing a Mandelbrot set, allowing users to zoom in and also view Julia sets. *Java.*

Hadi Sports (2011)

- Application to help sports shop computerise its records. *Visual Basic, Microsoft Access.*

AWARDS

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- 27th team in the world in IEEEExtreme Programming 7.0, 2nd in UK (2013)
 - 3rd team in UK in IEEEExtreme Programming 6.0 (2012)
 - Regional distinction in Pakistan (Northern Region) in A Levels Thinking Skills (2011)

SKILLS

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- **Programming Languages:** Java, HTML, CSS (*Good*); JavaScript, Visual Basic, SQL, XML (XSD) Schema, MongoDB (*Intermediate*); C++, C, C#, Python, PHP, Scheme, Perl (*Basic*).
 - **Technologies:** Eclipse (*Good*); Play Framework, Bootstrap, OpenGL (*Intermediate*); Blender (*Basic*).
 - **Spoken Languages:** English, Urdu (*Expert*), Hindi (*Spoken*)