

## EDUCATION

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**University of Southampton (Southampton, UK) – MEng Computer Science (2011 – 2015)**

- First Class Honours

## EXPERIENCE

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**FactSet Research Systems Inc. – Software Engineer (August 2015 – Present)**

- Developed new events management for users in AngularJS.
- Helped team switch projects from Perforce to Git, as well as being guide for team members.
- Improved application page loads, through parallelising requests, by 90%.
- Parametrised deployment process for projects and improved options for difficult deployments.

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

- Guided development team 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 internal company product in Java and wrote tests for application components.
- Researched searching and file reading algorithms, reducing search and read times by 30%.

## PROJECTS

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**NHS Waiting Times Application (2015)**

- Web application showing nearest hospitals with least amount of waiting time for Accident and Emergency (A & E). *HTML, CSS, JavaScript.*

**Mobile Intervention Authoring (2015)**

- Extensions to Intervention authoring web tool as well as intervention displaying android application to test effective working of cochlear implants in patients. *Java, CoffeeScript.*

**Agent Elman (2015)**

- Intelligent agent for participation in Trading Agent Competition. *Java.*

**IdeaBoard (2015)**

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

**PrivacyMatters (2014)**

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

**Type Pong (2013)**

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

**Clangers (2013)**

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

**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.*

## AWARDS

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- 27<sup>th</sup> team in the world in IEEEExtreme Programming 7.0, 2<sup>nd</sup> in UK (2013)
  - 3<sup>rd</sup> team in UK in IEEEExtreme Programming 6.0 (2012)

## SKILLS

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- **Programming Languages:** Java (*Good*); JavaScript, C#, Visual Basic, SQL, MongoDB (*Intermediate*); C++, C, Python, PHP, Scheme, Perl (*Basic*)
  - **Technologies:** Git (*Good*); AngularJS, D3, NodeJS, Play Framework, Bootstrap (*Intermediate*)
  - **Spoken Languages:** English, Urdu (*Expert*), Hindi (*Spoken*)