

# Mesar Hameed

Name: Hameed, Mesar Mahmood  
Date of Birth: 15 July 1985  
Nationality: Swedish

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## Education

- Oct. 2008 - PhD, University of Bath
- Complexity theory using topological properties to estimate minimal upper bounds for algorithms supervised by Professor N. Vorobjov
- Sept. 2003 - June 2007 MComp, University of Bath
- Master of Computer Science (MComp Hons). Classification: 1st
  - Fourth year project, 1st: Complexity of bisimulations of dynamic systems defined by fewnomials
  - Third year project, 1st: A personal quest into the realm of multi-precision integer multiplication
- Sept. 2001 - June 2003 Exeter College
- A-level: Mathematics A, Physics A, Computing A
  - AS-level: Further Mathematics A
  - GCSE: English Language C
- Sept. 2000 - June 2001 West of England School for the Blind
- GCSE: Science A, Mathematics B, Geography C, Art D
- Aug. 1995 - May 2000 Lindengen Skolan, Malo, Sweden

## Work Experience

- March 2009 - Department of Computer Science, University of Bath
- Teaching Assistant on Mathematics and Programming courses
- Aug. 2006 - Sept. 2006 BT, Exeter
- Reported on One Laptop Per Child covering the strengths of BT that could aid the project goals and benefits to BT of contributing
- July 2004 - Sept. 2004 Multi-sensory Group of Broadband Application Research Centre at BT Group
- The programmer on a project focussed on minimizing workloads for pilots by displaying instrument information in alternative formats
  - Meenowa, J., Hameed, M., Furner, S. and Langdon, P.M. (2005) *Using haptic displays for workload reduction and inclusive control* in 11th International Conference on Human Computer Interaction (HCII 2005), Las Vegas, Nevada, USA
- July 2003 - Aug. 2003 Multi-sensory Group at BT Exact
- Further development on an application that used a force feedback phantom setup to build a unified visual, audible and tactile interface for a Moon text display using Visual Basic, Perl and C

## Skills

- Programming languages: Python, C with external libraries, Bash, SQL, PHP, Flex, Java, Visual Basic, Perl, Lisp, Prolog
- Other technologies: LaTeX, XHTML, Linux, Maple, Matlab
- Languages: English, Swedish and Spoken Arabic

## Voluntary Work

- Late 2009 - eSpeak: open source cross platform text to speech engine
  - Adding initial support for the Arabic language
- Late 2009 - NVDA: open source screenreader for Microsoft Windows
  - Coordinated localization into Arabic
- Late 2007 - Orca: open source screenreader for Gnome platform
  - Working on improvements including providing patches, enhancements, bug reporting and testing
- Oct. 2009 - Oct. 2010 Teaching Committee and Student, Staff Liaison Committee (SSLC)
  - Represent PhD students and tutors on department committees
- Sept. 2003 - June 2005 SSLC Representative
  - Represented peers on Computer Science Department SSLC
- Early 2001 - Mid 2008 BT Group
  - Highlighted the exclusion faced by blind and visually impaired people in the world of text messaging to BT which culminated to today's text message reading facility for landlines
  - Gave feedback on prototype solutions over a number of years
- Sept. 2001 - June 2003 Titan Computers, Exeter
  - Voluntary work at a local computer shop

## Additional Information

- I was born in Iraq in July 1985. Due to political reasons, during the Gulf War my family fled as refugees to Sweden via Saudi Arabia, where, at the age of seven, I lost my sight as a result of a medical error.
- In Sweden I attended mainstream school and in 1995 I was equipped with a computer that had braille and speech. This acted as a catalyst for my interest in the sciences.
- I enjoyed the sports goalball and show-down in Sweden where I played these at national and European level respectively.
- I raised money for Devon Air Ambulance by sky diving from 13,000 feet for my 18th birthday.
- I enjoy listening to scientific/technological, and ethical programmes on the radio, listening to audio books, being with friends and taking walks in natural surroundings.

## Referees

Prof. Nicolai Vorobjov  
Department of Computer Science  
University of Bath  
Bath  
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Adam Oliver  
Head of Innovation for Age & Disability  
and Corporate Social Responsibility  
BT Head Office  
Newgate Street  
London EC1