

Yousef Amar

Curriculum Vitae

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Profile

As an MEng graduate in Computer Systems Engineering with Business Management, my skills are multi-faceted. With strengths in hardware design, low to high-level programming, and every layer of web development, but also project management and business administration, I am a jack of all trades.

I am currently a second year PhD student at Queen Mary University of London with a focus on Systems, Networks, Security, and Personal Data under Dr Hamed Haddadi, looking for summer research internships.

My interests align well with the work done at Nokia Bell Labs as a lot of my current research involves virtualisation, cloud services, and web APIs. While [my GitHub history](#) alone is a testament of my activity in full-stack development, I also have strong aptitude for distributed computing and optimisation.

For more information and to see past projects and work in more detail, please visit [my website](#) or [my LinkedIn profile](#).

Education

2016–present **PhD in Electronic Engineering and Computer Science**, *QMUL*, London, U.K.

Conference and Workshop Attendance:

- ◇ EuroSys 2017 EuroDW Presenter
- ◇ SIGCOMM 2016 Presenter
- ◇ Cosners 2016 Presenter
- ◇ UK-HDAN Workshop Participant

Teaching Assistant Work:

- ◇ Digital Systems Design (hardware design and VHDL)
- ◇ Software and Network Services Design / IT Programming (Java)
- ◇ 2x Digital Media and Social Networks (graphs, network analysis, web APIs)

2010–2014 **Master of Engineering**, *The University of Birmingham*, Birmingham, U.K.
First Class Honours

Relevant modules:

- ◇ Data Mining
- ◇ Computer Networking
- ◇ Object Oriented Software Design
- ◇ Computer Systems, Algorithms and Data Structures
- ◇ C Programming and Algorithmic Problem Solving
- ◇ Project Management and Professional Practice

2010 **European Baccalaureate**, *European School Frankfurt*, Frankfurt, Germany

Publications

- 2016 Personal Data Management with the Databox: What's Inside the Box? In *Proceedings of the 2016 ACM Workshop on Cloud-Assisted Networking* (pp. 49-54). ACM.
- 2016 Privacy-Aware Infrastructure for Managing Personal Data. In *Proceedings of the 2016 conference on ACM SIGCOMM 2016 Conference* (pp. 571-572). ACM.
- 2015 Incremental dense multi-modal 3d scene reconstruction. In *Intelligent Robots and Systems (IROS), 2015 IEEE/RSJ International Conference on* (pp. 908-915). IEEE.

Experience

Research

- Oct 2014 – **Research Intern**, *The University of Oxford*, Oxford, U.K.
Jan 2016 Research in multi-camera rig calibration, multimodal scene reconstruction, machine learning, and HRI, while attending doctoral training program lectures

Vocational

- Sept 2010 – **Programming Tutor**, *Self-employed*, Birmingham, U.K.
June 2014 Personal tutor to 16 students
Nov 2011 **Teaching Assistant**, *The University of Birmingham*, Birmingham, U.K.
Teaching and supervision of sixth form students
May – Sept 2008 **Shop Floor Worker**, *Aquila Aviation AG*, Berlin, Germany
Construction and assembly of fibre composite plane parts

Miscellaneous

- ◇ Student Representative of the Department of Electronic, Electrical and Computer Engineering for 2 consecutive years. Student Rep Chair for 1 year
- ◇ Peer Assisted Study Sessions (PASS) Leader; tutoring first year students
- ◇ Ambassador for the University of Birmingham on a cultural exchange program in China for future direct-entry students
- ◇ EECE Green Impact project assistant for 2 years and sole student delegate
- ◇ Certification of completion of Birmingham Start-Up Masterclasses 2013

Referees

Dr Hamed Haddadi

Lecturer (Assistant Professor) in Digital Media

Department of Electronic Engineering and Computer Science,

Queen Mary University of London, Mile End Road, E1 4NS London, U.K.

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Professor Philip H. S. Torr

Fellow St Catherine's College

Royal Society Wolfson Merit Award Holder

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Professor Robert J. Stone

Chair in Interactive Multimedia Systems

Director, Human Interface Technologies Team

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Further available upon request.