Jorden **Whitefield**

PhD Candidate · Secure Systems

Surrey Centre for Cyber Security, Department of Computer Science, University of Surrey, Guildford, GU2 7XH, UK

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Education

PhD in Computer Science — *University of Surrey*

Department of Computer Science — *Sep. 2015 - Exp. April. 2019*

- Supervised by Prof. Liqun Chen, Prof. Steve Schneider and Dr. Helen Treharne.
- Funded by the EPSRC iCASE studentship 15220193 through Thales UK.
- PhD focuses on symbolic security and privacy protocol analysis using the Tamarin prover.

Graduate Certificate in Learning and Teaching — *University of Surrey*

Department of Higher Education — *Jan. 2016 - Jun. 2017*

- Fellow of the Higher Education Academy, Reference: PR137274
- The course explored the theory and practice of teaching, curriculum design and implementation, and pedagogy research.

BSc in Computer Science - Result: 1:1 — *University of Surrey*

Department of Computer Science — *Sep. 2011 - Jul. 2015*

- EDF Best Digital Project Prize: Awarded for the Final Year digital project achieving the highest mark across any of the undergraduate programmes in the Department.
- University of Surrey Scholarship Award: awarded for performance in my studies.

Publications

Privacy-enhanced capabilities for VANETs using direct anonymous attestation — *November 27-29, 2017*

IEEE Vehicular Networking Conference, VNC — *Pages 123-130*

Formal Analysis of V2X Revocation Protocols — *September 14-15, 2017*

Security and Trust Management - 13th International Workshop, STM — *Pages 147-163*

Symbolic Reachability Analysis of B through ProB and LTSmin — *June 1-5, 2016*

Integrated Formal Methods - 12th International Conference, IFM — *Pages 275-291*

Experience

Thales UK Research and Technology — *Reading, UK*

Researcher — *Jul. 2017 - Oct. 2017*

- Identified areas of research within IoT, Vehicle-2-Anything (V2X), etc. Particular focus was on device security and how Trusted Hardware could be used in security protocols for communication
- Worked with Thales eSecurity Cambridge, and developed a demonstrator of the O-Token protocol as defined in my STM17 paper. I produced a software requirements specification and wrote the cryptographic code.

Accenture UK — *London, UK*

Associate Software Engineer — *Jul. 2013 - Jul. 2014*

- Developed hybrid mobile applications for Android and iOS.
- Extended legacy software systems with a RESTful API layer to integrate with modern systems.
- QA Engineer for newly government launched digital services.

Skills

Programming	JAVA, Android, Python, Haskell
Web	HTML5, JavaScript, jQuery, Twitter BootStrap
Misc.	Git, SVN, Linux (Fedora / Ubuntu), LaTeX