

# Jorden Whitefield

PHD CANDIDATE · SECURE SYSTEMS

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## Education

### PhD in Computer Science

DEPARTMENT OF COMPUTER SCIENCE

University of Surrey

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

DEPARTMENT OF HIGHER EDUCATION

University of Surrey

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

DEPARTMENT OF COMPUTER SCIENCE

University of Surrey

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

IEEE VEHICULAR NETWORKING CONFERENCE, VNC

November 27-29, 2017

Pages 123-130

### Formal Analysis of V2X Revocation Protocols

SECURITY AND TRUST MANAGEMENT - 13TH INTERNATIONAL WORKSHOP, STM

September 14-15, 2017

Pages 147-163

### Symbolic Reachability Analysis of B through ProB and LTSmin

INTEGRATED FORMAL METHODS - 12TH INTERNATIONAL CONFERENCE, IFM

June 1-5, 2016

Pages 275-291

## Experience

### Thales UK Research and Technology

RESEARCHER

Reading, UK

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

ASSOCIATE SOFTWARE ENGINEER

London, UK

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),  $\LaTeX$