Trusted Reference Monitors for Linux using Intel SGX Enclaves

Alexander Harri Bell-Thomas Jesus College



A dissertation submitted to the University of Cambridge in partial fulfilment of the requirements for the degree of Master of Engineering in Computer Science

> University of Cambridge Computer Laboratory William Gates Building 15 JJ Thomson Avenue Cambridge CB3 0FD UNITED KINGDOM

Email: Alexander.Bell-Thomas@cl.cam.ac.uk

June 30, 2020

Declaration

I, Alexander Harri Bell-Thomas of Jesus College, being a candidate the Part III of the Computer Science Tripos, hereby declare that this report and the work described in it are my own work, unaided except as may be specified below, and that the report does not contain material that has already been used to any substantial extent for a comparable purpose.

Total word count: 11967

Signed: A.H. Bell-Thomas

Date: June 30, 2020

This dissertation is copyright © 2020 Alexander Harri Bell-Thomas. All trademarks used in this dissertation are hereby acknowledged.