THE UNIVERSITY OF LANCASTER

It is hereby certified that

Benjamin Goldsworthy

has been duly admitted to the degree of

Bachelor of Science

First Class Honours

in

Computer Science

Vice Chancellor

Chief Administrative Officer and Secretary

July, 2017

33576556-00107938-1

00101813

Official Transcript

THE UNIVERSITY OF LANCASTER

33576556

Record of Learning and Achievement

Name of Student	**Benjamin Goldsworthy**	Date of Birth	**08/03/1996**
HESA Reference	**1411230717315**		
Qualification	**BSc Hons**	Period of Study	**01 Oct 2014 to 30 Jun 2017**
Scheme of Study	**Computer Science**	Date of Award	**11 Jul 2017**
Degree Classification	**First Class**		
Overall Aggregation Score	**18.3**		

Part I Course Modules Studied and the Grades Obtained

Course	Credit	Year	Title		Grade	Aggregation Score Out of 24
SCC110+120					I	20.2
SCC.110	*20*	*14/15*	*Software Development*	*21.8*		
SCC.120	*20*	*14/15*	*Fundamentals of Computer Science*	*18.5*		
SCC130+150					I	17.7
SCC.130	*20*	*14/15*	*Information Systems*	*15.1*		
SCC.150	*20*	*14/15*	*Digital Systems*	*20.4*		
SCC140+160					I	18.4
SCC.140	*20*	*14/15*	*Creative Technology*	*18.8*		
SCC.160	*20*	*14/15*	*Fundamentals of Communication Systems*	*18.1*		

Part II Course Modules Studied and the Grades Obtained

Course	Credit	Year	Title	Grade	Aggregation Score Out of 24
SCC.201	15	15/16	Databases	I	19.4
SCC.202	15	15/16	Human-Computer Interaction	I	19.4
SCC.203	15	15/16	Computer Networks	III	10.7
SCC.204	15	15/16	Software Design	IIi	15.7
SCC.205	15	15/16	Social, Ethical and Professional Issues in Computing	I	19.5
SCC.210	15	15/16	Computer Science Group Project	I	18.6
SCC.211	15	15/16	Operating Systems	IIii	13.2
SCC.212	15	15/16	Advanced Programming	I	18.1
SCC.300	30	16/17	Third Year Project	I	18.0
SCC.306	15	16/17	Internet Applications Engineering	I	19.7
SCC.311	15	16/17	Distributed Systems	I	21.1
SCC.312	15	16/17	Languages and Compilation	I	20.3
SCC.360	15	16/17	Computer Science Seminars	I	23.6
SCC.361	15	16/17	Artificial Intelligence	I	18.4

Ian Denny
HEAD OF STUDENT REGISTRY

06/07/2017

00097379

Official Transcript

THE UNIVERSITY OF LANCASTER

Record of Learning and Achievement

33576556

SCC.363	15	16/17	Security and Risk	I	19.0

Ian Denny
HEAD OF STUDENT REGISTRY

06/07/2017

00097380

Lancaster University

HIGHER EDUCATION ACHIEVEMENT REPORT
(Diploma Supplement)

This Higher Education Achievement Report incorporates the model developed by the European Commission, Council of Europe and UNESCO/CEPES for the Diploma Supplement.

The purpose of the supplement is to provide sufficient recognition of qualifications (diplomas, degrees, certificates etc). It is designed to provide a description of the nature, level, context and status of the studies that were pursued and successfully completed by the individual named on the original qualifications to which this supplement is appended. It should be free from any value judgements, equivalence statements or suggestions about recognition. Information in all eight sections should be provided. Where information is not provided, an explanation should give the reason why.
In hard copy format this Higher Education Achievement Report is printed in black ink on paper watermarked with the crest of the University and carries the official University hologram. It is not valid unless in this format.

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1 INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION

1.1 Family name(s):
Goldsworthy

1.2 Given name(s):
Benjamin

1.3 Date of birth (day/month/year):
08/03/1996

1.4 Student identification number:
33576556

2 INFORMATION IDENTIFYING THE QUALIFICATION

2.1 Name of qualification and title conferred:
Bachelor of Science with Honours

2.2 Main field(s) of study for the qualification:
Computer Science

2.3 Name and status of awarding institution:
University of Lancaster

2.4 Name and status of delivering institution:
University of Lancaster

2.5 Language(s) of instruction/examination:
English

3 INFORMATION ON THE LEVEL OF THE QUALIFICATION

3.1 Level of qualification:
Bachelors Degree (1st cycle degree)

3.2 Official length of programme:
3 year(s) full-time study

3.3 Access requirements(s):
Detailed information regarding admission to the programme is available from the 'Find a course area' on our main web site at http://www.lancs.ac.uk/.

4 INFORMATION ON THE CONTENTS AND RESULTS GAINED

4.1 Mode of study:
Full Time

4.2 Programme requirements:
Please see next page(s)

4.3 Programme details:
Please see next page(s)

4.4 Grading scheme and, if available, grade distribution guidance:
Classification is based on the marks from years 2 and 3 (plus 4 where appropriate) and reflects the individual's performance across the whole degree programme. All marks are calculated on a 24 point scale. The calculation of the classification does vary slightly between programmes although the basic calculation is based on the students overall average aggregation score. Pass mark of 9

4.5 Overall classification of the qualification:
First Class

5 INFORMATION ON THE FUNCTION OF THE QUALIFICATION

5.1 Access to further study:
Access to postgraduate (2nd Cycle) study, normally if obtained with at least second class honours

5.2 Professional status (if applicable):
Not Applicable

6 ADDITIONAL INFORMATION

6.1 Additional information:
Please see next pages(s) if applicable

6.2 Further information sources:
www.lancs.ac.uk

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4.2 Programme requirements:

Intended Learning Outcomes

Knowledge and understanding of:

* The practice of software development.
* The fundamentals of computer system and network architectures
* The fundamentals of data and knowledge management, and associated techniques.
* Key professional issues.

Skills and other attributes

Intellectual Skills

* Apply good programming practice to the development of application and systems software solutions
* Analyse, model and specify (solutions to) real-world problems
* Design, validate and verify software solutions
* Apply fundamental computing principles to the selection and application of Appropriate programming paradigms, algorithms, data structures, data and knowledge management techniques
* Apply knowledge of computer and network architectures to the selection and application of appropriate techniques and technologies to system-level design and development
* Maintain an awareness of emerging technology and practice

Practical Skills

* Apply good programming practice to the development of application and systems software solutions
* Design, validate and verify software solutions
* Work effectively as part of a project team

Transferable Skills

* Communicate effectively through written, oral and other forms of technical presentation
* Work effectively as part of a project team
* Maintain an awareness of emerging technology and practice

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4.3 Programme details (e.g. modules or units studied), and the individual grades/marks/credits obtained:

Part I courses studied and passed:

Course	Year	Title	Aggregation Score	Percentage Mark	Credit	ECTS Credit
SCC110+120			20.2	77%		
SCC.110	14/15	Software Development	21.8	85%	20.0	10
SCC.120	14/15	Fundamentals of Computer Science	18.5	72%	20.0	10
SCC130+150			17.7	69%		
SCC.130	14/15	Information Systems	15.1	60%	20.0	10
SCC.150	14/15	Digital Systems	20.4	78%	20.0	10
SCC140+160			18.4	71%		
SCC.140	14/15	Creative Technology	18.8	73%	20.0	10
SCC.160	14/15	Fundamentals of Communication Systems	18.1	70%	20.0	10

Part II courses studied and the grades obtained:

Course	Year	Title	Grade	Aggregation Score	Percentage Mark	Credit	ECTS Credit
SCC.201	15/16	Databases	I	19.4	75%	15.0	8
SCC.202	15/16	Human-Computer Interaction	I	19.4	75%	15.0	8
SCC.203	15/16	Computer Networks	III	10.7	46%	15.0	8
SCC.204	15/16	Software Design	IIi	15.7	62%	15.0	8
SCC.205	15/16	Social, Ethical and Professional Issues in Computing	I	19.5	75%	15.0	8
SCC.210	15/16	Computer Science Group Project	I	18.6	72%	15.0	8
SCC.211	15/16	Operating Systems	IIii	13.2	54%	15.0	8
SCC.212	15/16	Advanced Programming	I	18.1	70%	15.0	8
SCC.300	16/17	Third Year Project	I	18.0	70%	30.0	16
SCC.306	16/17	Internet Applications Engineering	I	19.7	76%	15.0	8
SCC.311	16/17	Distributed Systems	I	21.1	81%	15.0	8
SCC.312	16/17	Languages and Compilation	I	20.3	78%	15.0	8
SCC.360	16/17	Computer Science Seminars	I	23.6	97%	15.0	8
SCC.361	16/17	Artificial Intelligence	I	18.4	71%	15.0	8
SCC.363	16/17	Security and Risk	I	19.0	73%	15.0	8

6.1 Additional information:

6.1.1 Co-Curricular Activities

Date	Representing	Role	Responsibility
15/16	Course / Scheme of Study	Course Representative	
01/01/2016 - 31/12/2016	Pendle	JCR Executive Member	Communications and Media
15/16	Pendle	Fresher's Representative	Bronze Level Rep
16/17	Pendle	Fresher's Representative	Bronze Level Rep

7 CERTIFICATION OF THE SUPPLEMENT

7.1 Date:

6 July 2017

7.2 Signature:

Ian Denny

7.3 Capacity:

Head of Student Registry

Benjamin Goldsworthy 33576556

00202507