MANCHESTER 1824
The University of Manchester

Higher Education Achievement Report (HEAR)

This Higher Education Achievement Report follows 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 independent data to improve the international transparency and fair academic and professional recognition of qualifications (diplomas, degrees, certificates etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification 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.

PART 1 - INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION

1.1 Surname:

Quespaz Sanchez

1.2 First Name(s):

Jonathan David

1.3 Date of Birth (day/month/year):

16 June 1996

1.4 Student identity number or code (if available):

9981565

1.4.1 Unique Learner Number (ULN):

1612042092555

PART 2 - INFORMATION IDENTIFYING THE QUALIFICATION

2.1 Name of qualification and (if applicable) title conferred:

BEng (Hons) Computer Systems Engineering

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

Computer Systems Engineering

2.3 Name and status of awarding institution (in original language):

University of Manchester

2.4 Name and status of institution (if different from 2.3) administering studies (in original language):

Taught at the University of Manchester, Oxford Road, Manchester, M13 9PL, United Kingdom

2.4.1 UK Register of Learning Providers - Provider Registered Number (PRN)

10007798

2.5 Language(s) of instruction/examination:

Taught and examined in English

PART 3 - INFORMATION ON THE LEVEL OF THE QUALIFICATION

3.1 Level of qualification:

http://www.manchester.ac.uk/edocs/edslevel

3.2 Official length of programme:

3.2.1 Registered on Programme:

19 September 2016

3.2.2 End Date:

07 June 2019

3.3 Access Requirement(s):

http://www.manchester.ac.uk/edocs/edsaccessreqs

PART 4 - INFORMATION ON THE CONTENTS AND RESULTS GAINED

4.1 Mode of Study:

Full Time

4.2 Programme Requirements:

The University publishes the learning outcomes of its programme and itsindividual units in the programme and unit specifications available fromschool administrative offices. Details of programme requirements forstudies at one of the University's partner institutions are available fromthe relevant institution.

4.3 Please see transcript for details (next page)

4.4 Grading Scheme and, if available, grade distribution guidance:

http://www.manchester.ac.uk/edocs/edsgrading

4.5 Overall classification of the qualification (in original language):

First Class

PART 5 - INFORMATION ON THE FUNCTION OF THE QUALIFICATION

5.1 Access to further study:

Degree programmes may entitle access to Post-Graduate studies.

5.2 Professional status (if applicable):

http://www.manchester.ac.uk/edocs/edsprofstatus

PART 6 - ADDITIONAL INFORMATION

6.1 Additional Information

Students at the University of Manchester have the opportunity to engage with activities outside the academic curriculum which contribute to the life of the University and the wider community. Participation in the activities shown here has been verified by the University of Manchester. Students may also engage in other activities outside the University which the University may not be able to verify and report but which may have contributed to their personal and professional development. The University routinely awards prizes to students subject to regulation and they are also listed in this section where applicable. In addition there are non-credit bearing training courses on offer to students. Participation in these is shown here also. Information on the protocols and approvals process used to verify data for inclusion in this section can be found here.

Non-programme specific information about the context of study

The Manchester Graduate

Intellectual Achievements:

The University of Manchester aspires that all graduates will have intellectual curiosity, will have learned how to learn, will have a clear understanding of the differences between fact and opinion, truth and falsity, validity and invalidity, and will have achieved the basic intellectual tools of logical analysis and critical enquiry. In addition, University of Manchester graduates should have mastered the epistemological, methodological and essential knowledge base of their programme of study, acquiring a basic understanding of the processes of enquiry and research through which existing paradigms are evaluated and new knowledge is created in that discipline or disciplines. The University intends that the education provision at Manchester will encourage students to value knowledge for its own sake, and to appreciate virtuosity and creativity, whether in art, music, science, literature or any other medium through which human discourse and human culture are advanced and enriched.

Personal Achievements:

University of Manchester graduates should have the opportunities to develop personal qualities of independence of mind and to take of responsibility for the values, norms, assumptions and beliefs that guide their behaviour as individuals and citizens. They should be encouraged and enabled to confront their own civic values and responsibilities as local, regional and global citizens. The University aims for all students to be equipped with advanced skills of written and verbal communication, and to have been educated in an environment that embraces and values cultural diversity. The University is fundamentally committed to equality of opportunity regardless of gender, race, disability, religious or other beliefs, sexual orientation, or age.

6.2 Further information sources:

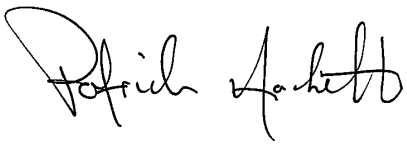
htttp://www.manchester.ac.uk/edocs/edsfurtherinfo

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

*** Marks out of 100%; Pass marks generally 40%**

Code	Subject	Grade	Stage	Credits	ECTS Credits
COMP10120	First Year Team Project	72	1	20	10
COMP11120	Mathematical Techniques for Computer Science	81	1	20	10
COMP11212	Fundamentals of Computation	74	1	10	5
COMP12111	Fundamentals of Computer Engineering	94	1	10	5
COMP14112	Fundamentals of Artificial Intelligence	84	1	10	5
COMP15111	Fundamentals of Computer Architecture	85	1	10	5
COMP16121	Object Oriented Programming with Java 1	96	1	20	10
COMP16212	Object Oriented Programming with Java 2	91	1	10	5
COMP18112	Fundamentals of Distributed Systems	80	1	10	5
COMP_PASS	PASS Year 1 (Computer Science)		_	0	0
COMP-PASS2	PASS Year 2 (Computer Science)		-	0	0
COMP22111	Processor Microarchitecture	70	2	10	5
COMP22712	Microcontrollers	61	2	10	5
COMP23111	Fundamentals of Databases	90	2	10	5
COMP23311	Software Engineering 1	82	2	10	5
COMP23412	Software Engineering 2	88	2	10	5
COMP24111	Machine Learning and Optimisation	86	2	10	5
COMP25111	Operating Systems	79	2	10	5
COMP25212	System Architecture	79	2	10	5
COMP26120	Algorithms and Imperative Programming	76	2	20	10
COMP28112	Distributed Computing	78	2	10	5
COMP28512	Mobile Systems	82	2	10	5
UCIL20032	Leadership in Action Online Unit	57	2	10	5
COMP30040	Third Year Project Laboratory	72	3	40	20

COMP32211	Implementing System-on-Chip Designs	69	3	10	5
COMP35112	Chip Multiprocessors	55	3	10	5
COMP36111	Advanced Algorithms 1	54	3	10	5
COMP36512	Compilers	67	3	10	5
COMP38120	Documents, Services and Data on the Web	64	3	20	10
COMP38411	Cryptography & Network Security	77	3	10	5
COMP3CARS	COMP - Careers Yr 3		3	0	0

7.1 Date	7.2 Signature	7.3 Capacity	7.4 Seal
05 July 2019		Registrar, Secretary and Chief Operating Officer