Angel Muller

Glasgow, United Kingdom | +34 659258608 | vokyjuanko@gmail.com

Research Engineer at Canon Medical Research Europe Ltd. looking for Junior-Mid Data Engineer, Computer Vision Engineer and Machine Learning Engineer positions. Interested in Analytics, Accounting and App Development industries.

Skills

Positions
Computer Vision Engineer, Machine Learning Engineer, Data Engineer

Experience level
Mid, Junior

Core skills
SQL, Data Analysis, Python, Machine Learning, Docker

Other skills
CI/CD, Jenkins, AWS

Work eligibility
UK, EU

Preferences

Work type
Hybrid

Work timezone
UTC-2:00 - UTC+2:00

Tech stack/Tooling
AWS, Angular, Artificial Intelligence

Languages

English (fluent)
Italian (fluent)
Spanish (fluent)

Experience

Research Engineer, Canon Medical Research Europe Ltd. 10/2023 - Present (1 year 4 months)

• AI and machine learning for medical image visualization and analysis. Python / ML / DL libraries, app development with angular, Jenkins and circle for CD-CI.
• 3D computer vision, segmentation, registration, rendering, CNNs, Pytorch, blender, slicer. Deployment tools like onnx and openvino.
• Agile methodology, with sprint planning and retrospective meetings, ticket-linked pull requests and management software like jira and bitbucket.
• Work independently and as part of a team. Can mentor others or be mentored depending on the situation. Strong communication skills and adaptability to different situations.

Industrial placement, Canon Medical Research Europe Ltd.
01/2020 - 08/2023 (3 years 8 months)

• Gather usable data from public sources to train machine learning models, and to rapidly prototype solutions and minimum viable products (MVP).
• Automatic detection of anatomy and pathology in image data, and combination of multi-source data to build predictive systems.
• PyTorch, Scikit-learn, Scikit-image, Pandas, Open-CV, Scikit-Image, ITK, docker, slurm.
• Search the scientific and patent literature to identify prior art on which to build upon.

Data Consultant, M2C CONSULTING 09/2018 - 08/2019 (1 year)

• Design of targeted marketing campaigns within a business intelligence team.
• Data ETL pipelines with tools like mySQL and SAS.
• Analysis dashboards on Tableau or PowerBI to display financial and customer data.
• Analyse customer behavioural patterns and identify opportunities and risks.

Education

Heriot-Watt University 2019 - 2023 (4 years)
Doctor of Engineering –

Universidad Complutense de Madrid 2013 - 2018 (5 years)
Bachelor in Physics –

HERIOT WATT UNIVERSITY

UK | DUBAI | MALAYSIA

16 December 2024
Reference: LDS3-GS902-1ED

Heriot-Watt University
Student Service Centre
16 DEC 2024
Edinburgh, Scotland
United Kingdom

TO WHOM IT MAY CONCERN

Name: Angel Victor Juanco Muller
Date of Birth: 12 January 1995
Person ID: H00337463
Programme: Doctor of Engineering

This is to certify that the above named was a student of Heriot-Watt University from 9 September 2019 until 14 May 2024.

Angel Victor Juanco Muller was awarded the Doctor of Engineering by Heriot-Watt University on 18 June 2024.

We can confirm the following information:

- Name of thesis: "Exploring applications of geometric deep learning for medical images".
- Requirements to access the programme: First-Class or 2:1 MPhys or MEng degree or an MSc with merit (over 60%) in Electronic Engineering/Mechanical Engineering or other relevant degrees. Applicants who have a First-Class BSc/BEng (Hons) and can demonstrate significant relevant industry/research experience may also be considered.
- Thesis Examiners: Dr Mustafa Suphi Erden (Heriot-Watt University) and Dr Bartlomiej Papiez (University of Oxford).
- Outcome of the viva: Award degree following satisfactory completion of significant corrections.
- The viva was held on 01/12/2023 by teleconference.
- The Doctor of Engineering degree is a level 12, which is the highest degree qualification in the UK (https://scqf.org.uk/the-framework/know-your-scqf-level/).

All programmes at Heriot-Watt University are delivered in the English language.

Heriot-Watt University, Scotland is a Higher Education Institution of the United Kingdom.

Yours faithfully,

Lorraine Simpson.

Lorraine Simpson
Student Service Centre Advisor

Student Service Centre,
Hugh Nisbet Building
Edinburgh Campus, UK

Name:	Angel Victor Juanco Muller
Date of Birth:	12 January 1995
Reference:	LDS3-ART1-V3.3-1ED-H00337463
Date:	16 December 2024

HERIOT WATT UNIVERSITY
UK | DUBAI | MALAYSIA

Academic Transcript

Programme: **B2U9-APP - Doctor of Engineering**
Term: **Academic year 2021-2022**
Year/Stage: **3**
Examiners' Decision: **Proceed to next year/level**

Course Code and Title		Semester	Opportunity	Mark	Grade	Credit
H11DP	Delivering Successful Projects	Y	1	60	B	20
H11FM	Financial Decision Making	Y	1	51	C	20
H11SM	Strategic Marketing	Y	1	60	B	20
Sub Total	**3**					**60**

Programme: **B2U9-APP - Doctor of Engineering**
Term: **Academic year 2020-2021**
Year/Stage: **2**
Examiners' Decision: **Proceed to next year/level**

Programme: **B2U9-APP - Doctor of Engineering**
Term: **Academic year 2019-2020**
Year/Stage: **1**
Examiners' Decision: **Proceed to next year/level**

Course Code and Title		Semester	Opportunity	Mark	Grade	Credit
B21AA	Advanced Data Analysis	1	1	65	B	15
B21CS	Concepts in Signal and Image Processing	1	1	56	C	15
B21IC	Optical Imaging Concepts	1	1	56	C	15
B21SL	Photonics Experimental Laboratory 1 (St. Andrews)	1	1	66	B	15
B21AP	Advanced Data Analysis for Physics and Astronomy	2	1	95	A	10
B21AS	Quantum and Atom Optics	2	1	86	A	10
B21PC	Case Study Review	2	1	82	A	5
B21PS	Photonics Sensors	2	1	71	A	15
B21SE	Systems Engineering Project	2	1	67	B	20
Sub Total	**9**					**120**

Total Number of Courses	**12**
Cumulative Credits	**180**
Scottish Credit and Qualifications Framework (SCQF) Credit Points:	**180**
European Credit and Transfer System (ECTS) Credit Points:	**90**

Supplementary information on results, grading schemes and progression is available online at https://www.hw.ac.uk/uk/students/studies/examinations/results.htm

Heriot-Watt University
Student Service Centre
16 DEC 2024
Edinburgh, Scotland
United Kingdom

Edinburgh Campus
Heriot-Watt University
Edinburgh EH14 4AS
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UNIVERSIDAD COMPLUTENSE DE MADRID
FACULTAD DE CIENCIAS FÍSICAS

ACADEMIC TRANSCRIPT OF RECORDS CERTIFICATE

Transcript of records of: Ángel Víctor Juanco Müller **NIF:** 53812561J

Studies: GRADO EN FÍSICA
ISCED Area: Physics

OSG: June 21th, 2010 **ECTS:** 240.0

UNIVERSITY ACCESS TEST: J 2012-13 UNIVERSIDAD COMPLUTENSE DE MADRID 7.533

Admission to the curriculum of: 2013-14 **Type of admission:** Entry With Upper Secondary Qualifications And University Entrance Exam **Admission grade:** 10.333

Credits earned and recognised

Type	Subject	Grade		ECTS	Session	Notes
First year						
FB	PHYSICS FUNDAMENTALS I	5.5	AP	9	2013-14 FEB	
FB	PHYSICS FUNDAMENTALS II	6.4	AP	9	2013-14 JUN	
FB	MATHEMATICS	9.3	SB	9	2013-14 FEB	
FB	CALCULUS	5.1	AP	7.5	2013-14 JUN	
FB	ALGEBRA	5.2	AP	7.5	2014-15 JUN	
FB	CHEMISTRY	5.8	AP	6	2013-14 FEB	
FB	SCIENTIFIC COMPUTER LABORATORY	7.0	NT	6	2013-14 FEB	
FB	PHYSICS LABORATORY I	6.3	AP	6	2013-14 JUN	
Second year						
OB	CLASSICAL MECHANICS	5.0	AP	7.5	2014-15 FEB	
OB	THERMODYNAMICS	5.6	AP	7.5	2014-15 FEB	
OB	OPTICS	6.7	AP	7.5	2014-15 JUN	
OB	ELECTROMAGNETISM I	5.0	AP	6	2014-15 FEB	
OB	ELECTROMAGNETISM II	5.5	AP	6	2014-15 JUN	
OB	QUANTUM PHYSICS I	5.4	AP	6	2015-16 JUN	
OB	MATHEMATICAL METHODS I	7.4	NT	6	2014-15 FEB	
OB	MATHEMATICAL METHODS II	6.8	AP	6	2014-15 JUN	
OB	PHYSICS LABORATORY II	7.2	NT	7.5	2014-15 JUN	
Third year						
OB	QUANTUM PHYSICS II	9.0	SB	6	2017-18 FEB	
OB	STATISTICAL PHYSICS	9.5	SB	6	2015-16 SEP	
OB	SOLID STATE PHYSICS	5.0	AP	6	2015-16 JUN	
OB	STRUCTURE OF MATTER	8.0	NT	6	2015-16 SEP	
OB	PHYSICS LABORATORY III	7.8	NT	6	2015-16 FEB	
OP	ASTROPHYSICS	8.8	NT	6	2016-17 JUN	Mobility programme
OP	NON-EQUILIBRIUM THERMODYNAMICS	7.0	NT	6	2017-18 JUN	
OP	QUANTUM MECHANICS	5.8	AP	6	2016-17 JUN	Mobility programme
OP	MATERIALS PHYSICS	5.5	AP	6	2015-16 FEB	
OP	ATMOSPHERE PHYSICS	6.0	AP	6	2015-16 JUN	
OP	EARTH PHYSICS	7.3	NT	6	2015-16 JUN	
OP	DIFFERENTIAL GEOMETRY AND TENSOR CALCULUS	8.0	NT	6	2015-16 JUN	
Fourth year						
OP	ATOMIC AND MOLECULAR PHYSICS	7.9	NT	6	2016-17 JUN	Mobility programme
OP	CLASSICAL ELECTRODYNAMICS	9.2	SB	6	2016-17 JUN	Mobility programme

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Transcript of records of: Ángel Víctor Juanco Müller **NIF:** 53812561J

Studies: GRADO EN FÍSICA
ISCED Area: Physics

OSG: June 21th, 2010 **ECTS:** 240.0

Credits earned and recognised

Type	Subject	Grade		ECTS	Session	Notes
OP	PLASMAS AND ATOMIC PROCESSES	10.0	SB	6	2016-17 JUN	Mobility programme
OP	NUCLEAR PHYSICS	8.3	NT	6	2016-17 JUN	Mobility programme
OP	CONDENSED MATTER PHYSICS	8.8	NT	6	2016-17 JUN	Mobility programme
OP	PHASE TRANSITIONS AND CRITICAL PHENOMENA	8.8	NT	6	2016-17 JUN	Mobility programme
OP	SYMMETRIES AND GROUPS IN PHYSICS	5.8	AP	6	2016-17 JUN	Mobility programme
TF	BA THESIS	7.0	NT	6	2017-18 JUN	
	Total credits earned and recognised:			**240**		
	Average grade of the transcript:			**6.95**	**1.72**	

In the Spanish university system, grades are based on the points earned for each subject, in agreement with the following scale: 0-4.9 Fail (SS); 5-6.9 Pass (AP); 7-8.9 Very Good (NT); 9-10 Excellent (SB). The award of Distinction (MH) is granted to up to 5% of the enrolled students earning a grade equal to or higher than 9; Recognition (RC): ungraded, does not count for scale; Work Experience (EL): ungraded, does not count for scale.

Subjects completed on a mobility programme

University: UNIVERSITA' DEGLI STUDI DI NAPOLI FEDERICO II

Subject	Grade	Credits	Academic Year
MECCANICA QUANTISTICA	20	9	2016-17
ELECTTRODINAMICA CLASSICA	28	9	2016-17
FISICA DEI PLASMI	30	8	2016-17
FISICA DELLA MATERIA MOLLE	27	8	2016-17
FISICA NUCLEARE	26	8	2016-17
ELEMENTI DI ASTROFISICA	27	6	2016-17
ELEMENTI DI FISICA DELLA MATERIA	25	8	2016-17

Summary of credits

Type of subject	Credits required	Credits passed	Credits recognised	Credits pending	Credits enrolled
FB - CORE	60.0	60.0	0.0	0.0	0.0
OB - COMPULSORY	90.0	90.0	0.0	0.0	0.0
OP - OPTIONAL	84.0	84.0	0.0	0.0	0.0
TF - END OF DEGREE PROJECT	6.0	6.0	0.0	0.0	0.0
Total	**240.0**	**240.0**	**0.0**	**0.0**	**0.0**

The concerned party has completed the studies in the session of june of 2018. Has made: FUNDAMENTAL PHYSICS TRACK.
The concerned party has paid for the issue of the diploma of Graduado en Física, on July 11th, 2018.

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