

# Antonio Ortega Jiménez

COMPUTATIONAL BIOCHEMIST

**Citizenship:** Spanish

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[linkedin.com/in/antortjim](https://www.linkedin.com/in/antortjim)

**SO careers:**

[careers.stackoverflow.com/antortjim](https://careers.stackoverflow.com/antortjim)

## Awards

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### Best Huelva province high-school record

*Government of Andalusia*

2012

The two best high school students from the province of Huelva were awarded this prize.

### Paco Anillo Award on Mathematics representing Huelva

*Andalusian Association for Mathematical Education THALES*

2008

A prize bestowed in every andalusian province upon the most genuine solution proposed to one of the exercises posed at the Mathematical contest undergone in the same year.

## Computational Skills

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*Machine Learning*

Neural Networks, Support Vector Machines, K-means, PCA

*Bioinformatics*

Microarrays, RNA-seq, ChIP-seq, Sequence analysis, Phylogeny, Modeling, Gene Networks

*Programming languages*

R & Bioconductor, Octave/MATLAB, Python, HTML, CSS

*Technologies*

Linux, Bash, Vim, Latex, Arduino, GitHub, Inkscape

## Education

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### MSc. Bioinformatics

*University of Copenhagen*

2016-2018

Prospective student.

### BSc. Biochemistry

*University of Seville*

2012-2016

GPA: 2.57/4.0. Average: 8.43/10

Honors on Statistics, Biosynthesis of Macromolecules, Human Genetics, and Bioinformatics.

## Research Projects (wet lab)

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### Characterization of *sigE*'s promoter

CIC Cartuja - CSIC

2014-2015

Collaborated with Drs. Muro and Vioque's group on the characterization of the *sigE* gene promoter in *Nostoc PCC7120*.

### Characterization of All1873

CIC Cartuja - CSIC

2015-2016

Carried out my bachelor thesis on the heterologous expression of All1873, a hypothetical protein of unknown function from *Nostoc PCC7120*, in *E. coli*.

## Conferences attended

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*Estudiante* through simple experimental performances.

## Volunteering

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*Salón del Estudiante*

High-school students were encouraged to study the Life Sciences through simple experimental performances.

## Complementary education

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### Summer School on Bioinformatics

Complutense University of Madrid

2015

### Python Syntax Course

Codecademy

2015

### Machine Learning by Andrew Ng

University of Stanford at Coursera

2016

## Languages

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*Spanish* (Mother tongue)

*English* C1 level (advanced)

*French* B1 level (basic)

## Hobbies

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I enjoy practising sports, particularly jogging and basketball, and I always try to move around Seville by bike. I really enjoy listening to rock and electronic bands like AC/DC and Prodigy. I am fond of learning languages and new cultures. What I love the most is hanging out with my friends and visiting the center of Seville, an astonishingly beautiful city. I was a boy scout until age 11.

## Portfolio

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A listing of relevant projects in Bioinformatics carried out during my Bachelor of Science can be retrieved at [antortega.com/?p=bioinformatics-portfolio](http://antortega.com/?p=bioinformatics-portfolio).

## Appendix

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1. Best Huelva province record diploma (Spanish)
2. Summer School on Bioinformatics at Complutense University (Spanish)
3. Machine Learning by Andrew Ng Coursera Certificate (English)
4. Official college transcript of results (English)
5. Certificate in Advanced English (English)

# JUNTA DE ANDALUCÍA

El Delegado Territorial de Educación,  
Cultura y Deporte de Huelva

a

Antonio Ortega Jiménez

*Por haber obtenido el Premio Extraordinario de Bachillerato  
2011/12, como reconocimiento a sus méritos académicos*

Huelva, 7 de marzo de 2013



Vicente Zarza Vázquez



# EL RECTOR DE LA UNIVERSIDAD COMPLUTENSE

*Considerando que, de conformidad con los acuerdos adoptados por la Junta de Gobierno  
de esta Universidad que regulan la concesión de títulos propios,*

*Antonio Ortega Jiménez*

*ha superado los estudios correspondientes al Curso de*

*Bioinformática y biología computacional*

*desarrollado en la Escuela Complutense de Verano, se expide el presente*

## DIPLOMA

*que acredita haber seguido con aprovechamiento las mencionadas enseñanzas que, con una duración de 75 horas,  
se han impartido durante el Curso Académico 2014/2015*

*Dado en Madrid, a 24 de julio de 2015*

*El Rector,*

CARLOS ANDRADAS HERANZ

*El interesado, / La interesada,*

ANTONIO ORTEGA JIMÉNEZ

# Stanford | ONLINE

07/13/2016

## Antonio Ortega Jiménez

has successfully completed

### Machine Learning

an online non-credit course authorized by Stanford University and offered through Coursera



Associate Professor Andrew Ng  
Computer Science Department  
Stanford University

SOME ONLINE COURSES MAY DRAW ON MATERIAL FROM COURSES TAUGHT ON-CAMPUS BUT THEY ARE NOT EQUIVALENT TO ON-CAMPUS COURSES. THIS STATEMENT DOES NOT AFFIRM THAT THIS PARTICIPANT WAS ENROLLED AS A STUDENT AT STANFORD UNIVERSITY IN ANY WAY. IT DOES NOT CONFER A STANFORD UNIVERSITY GRADE, COURSE CREDIT OR DEGREE, AND IT DOES NOT VERIFY THE IDENTITY OF THE PARTICIPANT.

### COURSE CERTIFICATE



Verify at [coursera.org/verify/4PE3KZNFFX8M](https://coursera.org/verify/4PE3KZNFFX8M)

Coursera has confirmed the identity of this individual and  
their participation in the course.



## ACADEMIC RECORDS - UNIVERSITY OF SEVILLE

### ANTONIO ORTEGA JIMENEZ DEGREE IN BIOCHEMISTRY BY THE UNIVERSITIES OF SEVILLA AND MALAGA

CODE	UNIT	YEAR	Marks		TYPE	CR	C
2240004	GENERAL CHEMISTRY	2012-13	Pass	6	Core	6	1
2240001	CELL BIOLOGY	2012-13	Good	7	Core	6	1
2240005	ORGANIC CHEMISTRY	2012-13	Good	7	Core	6	1
2240002	PHYSICS	2012-13	Good	7.5	Core	6	1
2240007	FUNDAMENTALS OF BIOCHEMISTRY	2012-13	Good	8.4	Compulsory	6	1
2240008	FUNDAMENTALS OF GENETICS	2012-13	Excellent	9	Core	6	1
2240010	PHYSICAL CHEMISTRY	2012-13	Excellent	9	Core	6	1
2240009	FUNDAMENTALS OF MICROBIOLOGY	2012-13	Excellent	9	Core	6	1
2240003	GENERAL MATHEMATICS APPLIED TO BIOCHEMISTRY	2012-13	Excellent	9.2	Core	6	1
2240006	STATISTICS APPLIED TO BIOCHEMISTRY	2012-13	Excellent Honors	10	Core	6	1
2240014	MACROMOLECULAR STRUCTURES	2013-14	Pass	6.7	Compulsory	6	2
2240019	ORGANOGRAPHY	2013-14	Good	7	Core	6	2
2240011	BIOPHYSICS	2013-14	Good	7.5	Compulsory	6	2
2240015	IMMUNOLOGY	2013-14	Good	7.6	Compulsory	6	2
2240013	ENZYMOLOGY AND ITS APPLICATIONS	2013-14	Good	8.1	Compulsory	6	2
2240016	EXPERIMENTAL BIOCHEMISTRY II	2013-14	Good	8.3	Compulsory	6	2
2240020	REGULATION OF METABOLISM	2013-14	Good	8.4	Compulsory	6	2
2240018	COMPUTER SCIENCE APPLIED BIOCHEMISTRY	2013-14	Good	8.5	Compulsory	6	2
2240012	EXPERIMENTAL BIOCHEMISTRY I	2013-14	Excellent	9	Compulsory	6	2
2240017	BIOSYNTHESIS OF MACROMOLECULES	2013-14	Excellent Honors	9.2	Compulsory	6	2
2240051	MICROBIAL BIOTECHNOLOGY	2014-15	Good	7.3	Optional	6	3
2240032	QUANTITATIVE METHODS INSTRUMENTALES	2014-15	Good	8.4	Compulsory	6	3
2240047	ENVIRONMENTAL BIOTECHNOLOGY	2014-15	Excellent	9	Optional	6	3
2240028	MOLECULAR SYSTEMS BIOLOGY	2014-15	Excellent	9.2	Compulsory	6	3
2240030	BIOCHEMISTRY, BIOTECHNOLOGY & SOCIETY	2014-15	Excellent	9.3	Compulsory	6	3
2240025	MOLECULAR GENETICS AND GENETIC ENGINEERING	2014-15	Excellent	9.3	Compulsory	6	3
2240050	ANIMAL BIOTECHNOLOGY	2014-15	Excellent	9.5	Optional	6	3
2240052	PLANT BIOTECHNOLOGY	2014-15	Excellent	9.5	Optional	6	3
2240023	MOLECULAR ANIMAL PHYSIOLOGY	2014-15	Excellent	9.7	Compulsory	6	3
2240024	MOLECULAR PLANT PHYSIOLOGY	2014-15	Excellent	9.8	Compulsory	6	3
2240022	FOOD BIOTECHNOLOGY	2015-16	Good	7.9	Optional	6	4
2240055	BIOREACTORS AND PROCESS TECHNOLOGY	2015-16	Good	7.9	Optional	6	4
2240039	HUMAN GENETICS	2015-16	Excellent Honors	9.4	Optional	6	4
2240056	MARINE BIOTECHNOLOGY	2015-16	Excellent	9.5	Optional	6	4
2240053	BIOINFORMATICS AND GENOME ANALYSIS	2015-16	Excellent Honors	10	Optional	6	4



Spanish alphanumeric Marks	Translated as	Spanish Marks
MATRICULA DE HONOR (MH) Restricted to a 5% of the class	Excellent Honors	10
SOBRESALIENTE (S)	Excellent	9.0-10
NOTABLE (N)	Good	7.0-8.9
APROBADO (A)	Pass	5.0-6.9
SUSPENSO (SS)	Fail	0-4.9
NO PRESENTADO (NP)	The Student has not yet taken the exam	-----
CONVALIDACION	VALIDATED (gen. from other previous studies)	

Translation of the Records held by the University of Seville on SEVIUS  
 Rafael Wagner MA ; International Office - Universidad de Sevilla-  
 C/Ciudad Jardin 20-241005 Sevilla – Spain  
 Tel.: 00 34 954 556098 E-Mail: [rafawagner@us.es](mailto:rafawagner@us.es)



## Cambridge English Level 2 Certificate in ESOL International (Advanced)\*

This is to certify that

**ANTONIO ORTEGA JIMÉNEZ**

has been awarded

**Grade B**

in the

**Certificate in Advanced English**

Council of Europe Level C1

**Overall Score** **194**

Reading	210
Use of English	194
Writing	180
Listening	198
Speaking	188

Date of Examination **FEBRUARY (CAE1) 2016**

Place of Entry **SEVILLE**

Reference Number **162ES0405016**

Accreditation Number **500/2598/3**

Saul Nassé  
Chief Executive

\*This level refers to the UK National Qualifications Framework

Date of Issue 31/03/16  
Certificate Number 0052563674

00228680

Regulated by

**Ofqual**

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