


# Nicolas Pettican Perez

Biotechnology with business studies graduate, current computational biology master's student, amateur programmer, web designer, project manager and entrepreneur with experience in statistical study seeking to establish a career in market research in the pharmaceutical industry.

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## Education

### 09/2015 **MSc Bioinformatics and Systems Biology**

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Present The University of Manchester, UK

Learned to code in Python, Java, Perl and R to create and use software to analyse genomic and proteomic data for clinical research. Applied statistical analysis and created and handled spreadsheets with R and Excel, improved work ethic and IT skills. Currently working on a structural bioinformatics project with Dr Tabernero.

### 09/2012 **BSc Biotechnology with Enterprise**

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06/2015 The University of Manchester, UK

**2.1 with honours**

Taught to analyse data and information derived from lab experiments and biological databases as well as from market research to create knowledge and derive deep insights. Modules include clinical drug development, data analysis, pharmacology, biotechnology, drugs and the brain, management and enterprise. Obtained a First in my dissertation. Communicated my research verbally and through written work. Led team projects, participated in discussion boards, debates, seminars and business workshops such as the XING business game and the Teamwork Challenge.

### 09/2010 **A levels (Bachillerato)**

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06/2012 I.E.S. (Sixth Form College) Maria Ibars, Spain

Biology (A), Chemistry (B), Maths (B), English (A\*), Philosophy (B), Grammar and Literature (B).

## Skills & Competences

<b>IT Proficiency:</b>	<ul style="list-style-type: none"><li>• Microsoft Office Suite, Adobe Creative Cloud, Linux and bioinformatics software</li></ul>
<b>Programming:</b>	<ul style="list-style-type: none"><li>• Basic knowledge of Python, Perl, Java, R, HTML, CSS, Ruby and JavaScript</li></ul>
<b>Biological Sciences:</b>	<ul style="list-style-type: none"><li>• Pharmacology, neuroscience, biotechnology, data analysis and genomics</li></ul>
<b>Data Analysis:</b>	<ul style="list-style-type: none"><li>• Statistical analysis, predictive Modelling and Analytic Tools (R)</li></ul>
<b>Teamwork &amp; Leadership:</b>	<ul style="list-style-type: none"><li>• Team thinker, creative, enthusiastic, energetic and able to lead team projects</li></ul>
<b>Communication:</b>	<ul style="list-style-type: none"><li>• Outgoing, public speaker, able to present both scientific and business topics</li></ul>
<b>Writing:</b>	<ul style="list-style-type: none"><li>• Grant applications, essays, market analysis and scientific reports</li></ul>
<b>Business:</b>	<ul style="list-style-type: none"><li>• Goal-oriented, driven, flexible, passionate and able to deliver results</li></ul>
<b>Adaptive:</b>	<ul style="list-style-type: none"><li>• Self-developer, multi-cultural, fast learner and sociable</li></ul>

## Work experience

### 01/2016 **Postgraduate Student Ambassador**

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Present Faculty of Life Sciences, University of Manchester

Represent the student body and the University providing tours, activities, Q&A sessions and general information for prospective postgraduate students (home and international). Answer queries about the university, culture and student life over emails, social media and phone calls through the Manchester Calling Campaign.

### 06/2015 **Commercial Partner**

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09/2015 Centerplate & Warner Bros Studios London, Hertfordshire

Worked as a barista to fund my master's degree. Achieved the highest number of sales per customer while constantly pressured to serve and assure satisfaction of on average 5000 customers (UK and international) a day.

### 08/2014 **Event Manager**

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10/2014 Rough Hill Events Company

Recruited, trained and managed payroll of all promotional and event staff. Developed marketing strategies to maximise sales through social media and networking. Collected information using short digital surveys during the events to better tailor events and improve marketing which led to an increase in revenue.

- 07/2014 – 09/2014 **Assistant Researcher**  
 Department of Animal and Plant Sciences, University of Sheffield & RAGT Seeds  
 Carried out a 10 week BSPP-funded plant pathology project studying the wheat metabolome during fungal pathogenesis. Improved analytical skills and time management by designing experiments and analysing data within time constraints. Assisted Dr Hughes in collaboration with RAGT Seeds pathology research.
- 10/2012 – 06/2014 **PR, Salesman and Event Staff**  
 Rough Hill & Social Junkies  
 Promoted events through social media, street promotion and door to door sales. Provided access control and crowd management for events and aided in decisions for marketing strategies which increased attendance and revenue.

## Positions of Responsibility

- 10/2015 – Present **Society President and Co-Founder**  
 Bioinformatics Society, Student's Union, University of Manchester  
 Oversee activities such as the "Code for Life" series, which offers workshops on software resources for life sciences students of all years. Run committee meetings, set goals and objectives, secure funding and collect information through surveys to improve events, increase attendance and assure member satisfaction.
- 09/2012 – 03/2015 **Committee Executive**  
 Faculty Of Life Sciences Society, Student's Union, University Of Manchester  
 Democratically elected as: 1<sup>st</sup> year representative, events and marketing manager (2<sup>nd</sup> year) and vice president (3<sup>rd</sup> year). Organised and managed events for the students of the Faculty of Life Sciences, designed the logo, posters and all other advertising material, gave regular lecture announcements in front of hundreds of students, collected information from surveys and focussed group research which all led to more successful events and to increase the society's funds.
- 10/2013 – 06/2014 **Activities and Events Manager**  
 Oak House Halls' Residents Association, University of Manchester  
 Organised and managed events and activities (such as the Year Ball) for the residents of Oak House Halls working with the Residents Association, successfully providing an enjoyable year for both home and international students.

## Interests

- Volunteering**
- **Team Leader** in ADAHMA: ran mind-stimulating and engaging activities for children with ADHD.
  - **Volunteer** in "Condenados al Bordillo": ran stimulating and fun events and activities for handicapped children and adults of different physical and mental capabilities.
  - **Summer Camp Volunteer** in Diverbo: encouraged and helped Spaniards to speak English.
- Science Communication**
- Participate in **Outreach Events** for the University of Manchester in primary schools to spread awareness and knowledge of microbial life: its misconceptions and how to prevent complications.
  - Currently creating educational and satirical **animations** (using Animate CC, Illustrator CC and After Effects CC), and **blog** content to spread awareness of science in society.
- Web design**
- **Amateur web designer**, specialising in static pages (HTML, CSS & JavaScript) using Jekyll and other Ruby on Rail gems to host websites for free on GitHub.

## Languages

English – fluent

Spanish – fluent

Catalan – expert

German – beginner

## References available on request