

HENRIQUE GALANTE

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Education

2019 - Present **MRes in Computational Methods in Ecology and Evolution** **Imperial College London**

- › Research Project - Ongoing 6000 word, fully referenced laboratory-based dissertation on the underlying energetic benefits of eusociality.
- › Taught Components: R, Python, Unix, Git, L^AT_EX, GIS, bioinformatics and genomics, high performance computing, model fitting and statistics.

2016 - 2019 **BSc & ARCS in Biological Sciences** **Imperial College London**

- › Second Class Honours
- › Final Year Project - A 6000 word, fully referenced laboratory-based dissertation entitled "Genetics of speciation in two *Howea* palms in Lord Howe Island".
- › African Biology Field Course - Field project in termite mound non-random distribution patterns and its relation with increase in soil conditions and fauna/flora abundance and richness.
- › Tutored Dissertation - A 4000 word, fully referenced literature review entitled "Pollination as an ecosystem function and the need of biodiversity: the economic outlook associated with its loss".

2016 **Certificate of Advanced English** **University of Cambridge**

- › Grade A - Council of Europe Level C2
- › Overall Score of 202 out of 210

Research Experience

Feb 20 - Present **Student Researcher** **Royal Botanic Gardens, Kew**

- › 6-month data project part of the wider NutriDiv initiative led by Dr. Samuel Pironon.
- › Focus on mismatches between world crop distribution and their environmental suitability.
- › Data collection, cleaning and analysis with use of GIS in R and species distribution modelling.

Dec 19 **Student Research Assistant** **Woodward Lab, Silwood Park**

- › 3-day remunerated field work on the mesocosms project lead by Professor Guy Woodward.
- › Part of a team of graduates tasked with setting up 96 new ponds to be used in a variety of ecological studies predicting climate change and chemical impacts in complex ecosystems.

Feb 19 - Apr 19 **Student Research Assistant** **Natural History Museum, London**

- › Research internship with the Senior Curator, of the Lepidoptera collection, Blanca Huertas.
- › Handled old specimens and irreplaceable collections safely.
- › Added QR codes to the museum specimens to enable future scanning.
- › Data mining looking at Colombian endemic butterflies and curatorial research.

Sep 18 - Oct 18 **Student Research Assistant** **Lloyd Lab, Silwood Park**

- › 2-week research internship under the highly competitive Undergraduate Research Opportunities Programme.
- › Project focused on nutrients and anatomy of tropical woods from French Guiana and Brazil.
- › Performed resin cation elution and immunochemistry of plant materials.
- › Responsible for independent laboratory work, handled high concentrations of HCl safely and improved laboratory skills in a research environment.
- › Attended research seminars.
- › Contributed to ongoing research in Professor Jon Lloyd's group.

May 18 **Student Research Assistant** **Natural History Museum, London**

- › 2-week research internship with the Senior Curator, of the Coleoptera collection, Max Barclay.
- › Handled old specimens and irreplaceable collections safely.
- › Performed different mounting techniques on beetles.
- › Used keys to detect specific traits and identify taxonomic levels.

Work Experience

Aug 19 - Sep 19	Content Developer	Pawar Lab, Silwood Park
	<ul style="list-style-type: none">» Recipient of a 5-week Undergraduate Education Bursary from Dr. Samraat Pawar.» Developed R programming and statistics materials and exercises using Jupyter Notebook Technology.» The resources developed were used to improve the R and Statistics module taught to Y1 and Y2 biology students at Imperial College London.	
Feb 18- Jun 19	Bar Staff	h-bar, Imperial College London
	<ul style="list-style-type: none">» University bar serving postgraduates and staff.» Requires good communication and team working.» Gained experience in self-management and in training less experienced staff.» Value of multitasking and working efficiently under pressure.	

Volunteering

Oct 19 - Present	President	S&T Society, Imperial Union
	<ul style="list-style-type: none">» Hot drinks society at Imperial's Silwood Park Campus comprising of 150 students.» Organise and run events for members focussing on welfare and wellbeing.» Budgeting for different sized events and promoting partnerships between different societies and retail companies.	
Oct 17 - Aug 19	Lighting Designer	Dramatic Society, Imperial Union
	<ul style="list-style-type: none">» Involved in multiple theatrical productions and live events that required both excellent time management and assessing health and safety hazards.» Responsible for all the logistic aspects such as planning, designing, budgeting and rigging.» Supervised and mentored a team of volunteers.	
Oct 18 - Jun 19	Vice-President	Biology Society, Imperial Union
	<ul style="list-style-type: none">» Departmental Biology Society at Imperial comprising of 450 students.» Organise and run events for undergraduates focussing on welfare and career prospects.» Contacting guest speakers and lecturers for seminars and workshops.» Budgeting for different sized events and promoting partnerships between societies and venues.	
Mar 17	Student Volunteer	Hammersmith United Charities
	<ul style="list-style-type: none">» Volunteered with this charity for International Women's Day.» Organised, planned and delivered the activities for the day with a team of other volunteers.» Required good communication skills and flexibility.	
Oct 14 - Jun 16	Mentor/Teacher	Espaço RAIZ, Portugal
	<ul style="list-style-type: none">» Helped children aged 6-15 to study.» Improve their life prospects while at the same time stimulating their intellect and social skills and providing healthy role models.	

Hobbies, skills and interests

- » Skills: R, Python, EXCEL, ImageJ, Jupyter Notebooks, \LaTeX , Unix, GIS, CAD
- » Languages: Portuguese (Native Tongue), English (Fluent), Spanish (Proficient)
- » Hobbies: Theater Production, Karate, Archery
- » Affiliations: Royal Society of Biology (RSB), British Ecological Society (BES), IUSSI