

# Dónal Burns

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## EDUCATION

### IMPERIAL COLLEGE LONDON, UK

MSc IN COMPUTATIONAL  
METHODS IN ECOLOGY  
AND EVOLUTION

Sep 2019 - Sep 2020

GPA: TBD

### UNIVERSITY COLLEGE DUBLIN, IRELAND

BSc IN ZOOLOGY, 2.1

Sep 2013 - May 2017

GPA: 3.49

### ST. KILIANS DEUTSCHE SCHULE, IRELAND

Grad. May 2013

## LINKS

Github:// [Don-Burns](#)

LinkedIn:// [Donal Burns](#)

ORCID:// [Donal Burns](#)

## COURSEWORK

### POSTGRADUATE

Linear Modelling

Non-Linear Modelling

Bayesian Statistics

Maximum Likelihood

### UNDERGRADUATE

Biological Statistical Analysis

Ecological Modelling

## EXPERIENCE

### YOSHIDA HIGH SCHOOL | ASSISTANT LANGUAGE TEACHER

Sep 2017 - Sep 2019 | Hiroshima, Japan

- Chosen as part of the Japan Exchange and Teaching (JET) Programme.
- Planned predominantly speaking based English lessons
- Aided in language proficiency test preparation and training

### OFFICE OF PUBLIC WORKS | ANNUAL FAWN TAGGING TEAM

July 2017 – Aug 2017 | Dublin, Ireland

- Worked as a member of the annual fawn tagging team in Deer Park, Dublin to perform a census of the population, record the health of the fawns and collect genetic samples for latter study.

### H.E. CLISSMANN | WAREHOUSE TEAM

June 2015 – July 2015 | Dublin, Ireland

- Packed and shipped pharmaceutical orders to hospitals and suppliers in Ireland
- Delivered orders to clients in the Dublin area

### NEXT RETAIL LTD | SALES ASSISTANT

June 2014 – October 2014 | Dublin, Ireland

- Unpacked deliveries and stocked shelves
- Worked as member of sales team to assist customers and answer queries

## RESEARCH

### UNIVERSITY COLLEGE DUBLIN UNDERGRADUATE

Sep 2012 – May 2013

Worked with **Jon Yearsley** to model larval dispersal along the Mid-Atlantic Ridge, the results of which were used to write a report for submission to Deep-Sea Research Part II and to inform policy and decision making regarding deep-sea mining. Accepted for publication June 2020 under the title: "Biophysical Models of Persistent Connectivity and Barriers on the Northern Mid-Atlantic Ridge".

## SKILLS

### PROGRAMMING

Proficient:

R • Python •  $\LaTeX$

Familiar:

Matlab • Bash

Basic Experience:

C

### COMMUNICATION AND TEAMWORK

- Ability to change communication methods to work effectively with non-experts or non-native speakers of English
- Ability to work as part of a team
- Effective presentation skills - Awarded Bayley-Butler Cup for best presentation of final year project during undergraduate degree

### LANGUAGES

- Japanese Language Proficiency Test (JLPT) N2
- German Language Proficiency (Sprachdiplom) B2