

HIGHLIGHTS OF QUALIFICATIONS

Data Science / Machine Learning

- Projects using ML for social good at the Centre for AI in Society: analysing networks of homeless youth and predicting wildlife poaching risk (USC)
- Postdoctoral research: urban data science, population health, ML, big data, epidemiology (UBC)
- Coding and modelling: Python, R, Julia, MATLAB, FORTRAN 95
- Geospatial analysis and data visualisation: QGIS, ArcGIS, Photoshop

Communication / Public Speaking

- Fully bilingual (English and French), proficient in German
- Managed educational tours for large groups of US high school students and teachers (AIFS)
- Interviewed politicians, policymakers and experts for science communication (UK POST)
- Co-founded 3 conference series and co-organised 3 international conferences (U. Oxford, UBC)
- 10+ presentations at international academic conferences and keynote speeches at universities
- Public engagement initiatives: talks in local schools, museum demos, science magazine articles

Writing / Research

- Authored ~20 peer-reviewed academic journal articles (e.g. Nature Scientific Reports)
- Climate change projects integrating the Sustainable Development Goals framework (BCCIC)
- Produced briefing notes for UK parliamentarians (UK POST)
- Made the original proposal for, and researched, an Unreported World documentary on the exploitation of young baseball talent in the Dominican Republic (Channel 4)
- Laboratory research as part of a NASA-funded project on rock breakdown on Mars (U. Oxford)

Corporate / Consulting

- Consultancy projects advising global companies (e.g. Coca-Cola, Burger King, Nestlé) on strategies to lift their performance in social, ethical and environmental issues (Sancroft)
- Assessing the impacts of Oyu Tolgoi mine on herder livelihoods and local/ and regional water sources in Mongolia's Gobi Desert (World Bank)
- Engaged with transit and healthcare agencies and municipal and regional governments (UBC)

Teaching / Training / Teamwork

- Co-founded and managed the Urban Predictive Analytics Lab (team of 10+ people)
- Member of the Climate Change Programme, for UN representation of BC youth (BCCIC)
- Taught undergraduate and Masters courses: Statistical Methods, Arid Lands, Geomorphology, Smart Cities, in tutorial, lecture and workshop formats (U. Oxford, UBC)
- Co-founded and led the Healthy Cities Network (UBC)
- Assisting in specialist training for new Tour Managers in Europe (AIFS)
- Teaching and logistical support for overseas fieldtrips (U. Oxford)
- Research mentor for 3 PhD students and 1 Masters student (U. Oxford, UBC)

PROFESSIONAL EXPERIENCE

University of Southern California	Visiting Scholar, Artificial Intelligence	2018
BC Council for International Cooperation	Analyst, Cities Working Group	2018–pres.
University of British Columbia	Postdoctoral Research Fellow	2017–pres.
American Institute for Foreign Study	Tour Manager and Trainer	2012–pres.

University of Oxford (several colleges) College Lecturer and Tutor	2014–2017
Parliamentary Office for Science & Technology Postgraduate Fellow	2016
World Bank Research Assistant	2016
Sancroft International Consultancy Intern	2013
Channel 4 (Quicksilver Media) Research Intern	2012
University of Oxford (School of Geography) Laboratory Assistant	2012

EDUCATION

DPhil Geography and the Environment University of Oxford Modelling and fieldwork on effects of climate and land use change in deserts. Funded by a prestigious national Natural Environment Research Council Studentship.	2013–2017
MPhil Polar Studies University of Cambridge Distinction Modelling the effects of climate change on the hydrology of the Greenland Ice Sheet. Funded by a Derek Brewer MPhil Studentship (2 available for 140 Masters students).	2011–2012
BA Hons Geography University of Oxford First Class Placed 1 st overall in Finals examinations (year group of ~90 students). Special subjects in Dryland Environments and Politics of Southern Africa.	2008–2011

AWARDS AND DISTINCTIONS

Pacific Institute for Climate Solutions Fellowship (2017–19); Mann Senior Scholarship, Hertford College (2015–17); Natural Environmental Research Council Studentship (2013–17); St Catherine’s College Graduate Scholarship (2013–16); Derek Brewer MPhil Studentship (2011–12); Gibbs Prize and H. O. Becket Prize, University of Oxford (2011); Worcester College Undergraduate Scholarship (2009–11); John House Prize, University of Oxford (2009)

INTERESTS

Volunteer: Powell Street Getaway Resource Centre, Vancouver (2018–)
Co-founder and North America Lead: Healthy Cities Research Network (2018–)
President and co-founder: Oxford University Research Drones Society (2014)
Committee member: Worcester College JCR, Worcester College Boat Club (2009–10)
University-level sport: tennis, triathlon and squash for Oxford University (2008–11)
Chief editor: Oxford college magazine; **Broadcasting editor:** *The Cherwell* newspaper (2009–10)
Activities leadership: LTA Tennis Leadership Award; Duke of Edinburgh Award; PADI Open Water Diver; Fieldwork First Aid Training

REFERENCES

Dr Martino Tran – Postdoctoral Supervisor
School of Community and Regional Planning, University of British Columbia, 6333 Memorial Road, Vancouver, V6T 1Z2, Canada | +1 604 822 3276

Prof Giles Wiggs – DPhil Supervisor
SoGE, Oxford University, South Parks Road, Oxford, UK, OX1 3QY | +44 (0) 1865 287143

Rt Hon. John Gummer, Lord Deben – Director, Sancroft
46 Queen Anne’s Gate, London, UK, SW1H 9AP | +44 (0) 20 7960 7900