THOMAS O'CALLAGHAN-BROWN

London, UK
Website: https://tjocb.co.uk/
Email: tocb212@gmail.com
Phone number: +447720838647

Education

Winchester College   **Winchester, United Kingdom** (2013-2018)
- Exhibitioner award upon entry to Winchester (Academic Scholarship for performance in the Scholarship exams at 13)
- British Biology Challenge Gold Medal 2018

Cambridge IGCSE certification 2016:
- Biology (A*), Chemistry (A*), Physics (A*), Mathematics (A*), German (A*), Russian (A*), Latin (A*), French (A*), English (A)

Cambridge Pre-U certification 2017/2018:
- Chemistry (D3/A), Biology (D2/A*), Theology and Philosophy (D2/A*), and Mathematics taken a year early (D2/A*)

McGill University   **Montreal, Canada** (2018-2022)
B.A. Philosophy Major, Biology Minor - Cumulative GPA: 3.79 / 4.0 (A-) (Equivalent of first class or high second-class degree)
- Alma Mater Entrance Scholarship (2018) – for academic merit preceding McGill
- Golden Key International Honors Society Award (2019) – awarded for being in the top 15% of my program
- Published in the Montreal AI Ethics Institute for an essay on AI's moral status and rights 2018
- https://montrealethics.ai/why-the-contemporary-view-of-the-relationship-between-ais-moral-status-and-rights-is-wrong/
- Graduated with Distinction – with a cumulative GPA in the top 25% of the entire Arts Faculty of McGill

Classes and Topics covered:
- BIOL 465 – Conservation Biology (A)
- BIOL 540 – Ecology of Species Invasions (A)
- 9 credits (3 semesters) of Independent Research Projects (A, A, A)
- PHIL 310 – Intermediate class studying first-order logic, and mathematical logic with Gödel's incompleteness theorems (A)
- PHIL 475, 480, 481 – Topics classes regarding the limits of phenomenology, the philosophy of technology, and AI (A-, A, A)

Professional Experience

AimHi Ambassador/Intern   **London, UK** (September 2020 - March 2022/March 2022 - present)
- The first ambassador in the company, my role is to publicise AimHi through social media platforms and aid in PR campaigns
- AimHi is a crowd-funded organization aiming to increase scientific education and build a community of environmental consciousness. Through connecting with individuals and institutions we promote their curricula, and recruiting for the community on discord and Facebook, and other remote platforms

Undergraduate Researcher under Prof. Ehab Abouheif **(McGill University)**   **Montreal, CA** (January 2021 - June 2022)
- Developing an Independent research project to study the nature of Atavisms and Modularity in Horses
- Constructing a hypothesis and contacting the necessary researchers and horse breeders for assistance, followed by an analysis of the results and the construction of a publishable-quality scientific writeup. Final write-up involved using R to build a heatmap.

Undergraduate Researcher under Dr Jen Sunday **(McGill University)**   **Montreal, CA** (January 2022 - May 2022)
- Using R to deal with a large set of Beach Seine data, assisting in the first year of a multi-year study on latitudinal differences in biodiversity along the West coast of North America. In the end I had over 1300 lines of code and 24 figures.
- Developing skills in R having never used it before, working collaboratively through GitHub with a team of graduate students, and presenting the findings to the researchers who gathered the data to show the culmination of their effort.

Intern at Gluon Group Investment Firm   **London, UK** (May 2022 - present)
- Summarising news articles related to the interests of Gluon (electric vehicles, alternative fuel sources, commodities, European and foreign markets, Hydrogen)
- Working with a team to provide research for analysts and executives at Gluon and its partners on a variety of fields. Often involving summaries of national or private environmental policies, and the visualisation of data in a clear and concise way

Languages

English (native proficiency) | French (C1)

Computer Skills

- Proficient in Microsoft Office Suite, JMP, ImageJ, HTML, and R – packages include: (*'tidyverse','dplyr','plyr','vegan', 'reshape2','ggplot'*)

Github profile: *Thomasocb* (https://github.com/Thomasocb)
- In the summer of 2022, I decided to make a website as both a form of electronic CV, and a place to post future publications

Extracurricular / Student Jobs

Sunrise Care Home   **Weybridge, UK** (May 2017 - Sep 2017)
- Helped to look after residents, developing personal communication skills

Winchester Night Shelter for the Homeless   **Winchester, UK** (Sep 2017 - May 2018)
- Volunteered at the Night Shelter once a week and promoted public awareness in assisting the homeless population

Guayaki Student Ambassador   **Montreal, Canada** (Oct 2019 - Jan 2021)
- Worked on campus to promote Guayaki's Yerba Mate, practicing public relations and sales promoting sustainable products.

McGill Student's Cancer Society Director of PR   **Montreal, Canada** (June 2020 - Apr 2021)
- Ran the social media pages for the society, advertising events such as the Relay for Life, and keeping people updated with funding, cancer information and general progress of the society during the COVID 19 pandemic
- Raised over $15,000 for the Canadian Cancer Society and had over 70 participants
- Ran in the Relay in 2019, individually raising $1100, and ran over 30km in 12 hours