

# Ana Caroline Colombo

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I have a **PhD** in Biochemistry. During my **research career** I worked within different biology fields, from neuroscience and behaviour to fungi infection and extracellular vesicles. I also have experience working in **educational settings**, such as a museum and a botanical garden, and a **charity**. I'm passionate about **science and education**, and I believe that through **mentoring** we can improve **equality and diversity** in STEM. In the past year, I have been developing my **creative writing** skills which resulted in a **children's book and a short story** in an anthology that will be published this year. I want to combine art and science, and make it **more accessible and engaging**. I also have been working on **open projects** and developing my **coding skills** through website development and data analysis.

## EDUCATION

2018 **PhD in Biochemistry**, *Federal University of Rio de Janeiro (UFRJ), Brazil.*

2014 **MSc in Psychobiology**, *University of São Paulo (USP), Brazil.*

2011 **BSc and Teaching Degree in Biology**, *State University of São Paulo (UNESP), Brazil.*

## CONTINUING EDUCATION

2022 **Write2 What's Next** - Online - *Writing on the Wall, UK.*

2021 **Write2Work** - Online - *Writing on the Wall, UK.*

2020 **Communication Skills for STEM Ambassadors** - Online - *Future Learn, UK.*

2019 **101 Web Development** - DevLeague - *Honolulu, HI, USA.*

## CAREER SUMMARY

January 2022 - present

**Programme Intern at In2scienceUK** [Remote, UK].

Contributing to the **development and delivery** of three programmes - the In2scienceUK summer programme, In2research and Alumni Community - for disadvantaged young people interested in pursuing a STEM career.

*Key responsibilities*

- Creating communication material such as newsletters for volunteers
- Rebranding In2research webpage, updating content and structure
- Participating, presenting, and assisting with online information sessions and workshops with volunteers, students, or external stakeholders
- Budgeting for events
- Supporting event planning, from defining objectives to debriefing afterwards
- Updating and refining contact databases
- Drafting small grant proposals
- Hosting internal and external team meetings, planning discussion points and meeting structure
- Working with team communication and data organisation tools such as, Google Workspace, CRM, Work OS, and Wordpress

*Key achievements/projects*

- Came up with a **strategic idea** of improving **volunteer engagement** through social media science interviews
- Ongoing revision of our webpage for **better communication** with participants
- Applied IT and computer programming skills to make the **time consuming task** of scraping contacts from websites for volunteer recruitment **more efficient** by an order of magnitude

June 2019 - July 2019

### **Education Assistant Intern at Lyon Arboretum [USA].**

Working with **science and outreach** at an Arboretum that was part of University of Hawai'i.

#### *Key responsibilities*

- Developing educational content and material for a field trip
- Communicating with different age groups/audiences through guided visits and outreach events
- Assisting other departments with their conservation effort tasks such as replanting and trail maintenance
- Presenting achievements to the team

#### *Key achievements/projects*

- Created material about plant adaptations for a field trip for third graders **that is still used** by the organisation. It was **tailored for primary school pupils**, and based on the US National Curriculum.
- Received **positive feedback** and praise from coworkers for my final presentation

August 2017 - December 2018

### **Research Support Specialist at Stony Brook University [USA].**

**Designing, managing and developing** scientific projects with researchers at a University biomedical laboratory.

#### *Key responsibilities*

- Managing different scientific projects from concept to delivery
- Communicating science efficiently through presentation and written scientific papers
- Collecting, analysing, and interpreting results
- Assisting peers and junior members with hands-on tasks and giving feedback on their projects

#### *Key achievements/projects*

- **Coordinated** groups of up to 14 scientists from up to six **different research groups** to **successfully complete and publish** two scientific papers.
- Established a **new field** of research in which new members of the laboratory have continue to developing
- **Maintain my relationship** with the group to this day giving support to new members

## **OTHER EXPERIENCE**

now **Demonstrator (Volunteer)** - *Aquarium of the World Museum, Liverpool, UK.*

now **STEM Ambassador (Volunteer)** - *All about STEM, Liverpool, UK.*

2020 **Invited speaker (Volunteer)** - *Public School EMEF Prof. José Toledo de Mendonça, Brazil.*

2009 **Organizing committee of the XIII Biology Week (Volunteer)** - *State University of São Paulo (UNESP), Brazil.*

## **TECHNICAL SKILLS**

• Bilingual (English and Portuguese) • Microsoft Office • Google Workspace and Google Drive • Work OS and CRM • Website Development • Basic Python and Jupyter Notebook • Basic JavaScript, HTML, CSS, and L<sup>A</sup>T<sub>E</sub>X • GitHub • Basic Image Editing and Vector Graphics Software • Data Processing and Statistical Analysis.