

LARA EMILY HOPF

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RESEARCH EXPERIENCE

Casual Worker, Researcher

05/2026 - 08/2025

University of Toronto Scarborough (UoT, UTSC)

Toronto, Canada

- Participated in multiple day field sampling campaign on the Great Lake (Kingston, Canada) collecting water and sediment samples across multiple sites.
- Performed wet lab tasks in the laboratory including sample preparation and analysis.

Bachelor's Thesis Research

09/2025 - 04/2026

Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB)

Berlin, Germany

- Participated in daytime and overnight field sampling campaigns at the IGB lake laboratory in northern Germany, collecting depth-stratified zooplankton data across multiple sites.
- Applied joint species distribution models (JSDMs) in R to jointly model taxon-specific zooplankton behavioural responses to artificial light, adapting community-level spatial ecology methods to fine-scale aquatic behavioural data.

Student Assistant, Microbiology Lab

11/2024 - 03/2025

Institute for Product Quality (IfP)

Berlin, Germany

- Performed routine microbiological testing for food safety with thorough documentation and strict, reproducible procedures, including PCR and pipetting schemes.
- Worked in an S2-designated laboratory (equivalent to Canadian Containment Level 2), following strict safety and containment protocols.

TECHNICAL SKILLS

Programming tools: Python, L^AT_EX, Git, JavaScript/TypeScript, WordPress

Communication tools: Google Workspace (Google Docs, Sheets, Slides, Forms), Notion, Teams.

AI tools: Claude Code, Cursor

Data analysis: Statistical modelling and data processing in R (creating JSDMs using CSV, JSON).

Laboratory: Aquatic fieldwork and data collection, dry lab, wet-lab safety procedures.

Languages: German (native), English (C2 certificate), French (B1 certificate), Spanish (A2).

EDUCATION

B.Sc. in Biology

10/2022 - 04/2026

Humboldt University of Berlin

Berlin, Germany

- Thesis: *Phototaxis in Zooplankton Communities under Artificial Light at Night (ALAN)*, supervised by Prof. Liliane Rueß (HU) and Dr. Franz Hölker (IGB)
- Specialisation modules in molecular plant sciences and behavioural neurology.
- Relevant coursework: microbiology, parasitology, organic and anorganic chemistry, biochemistry, molecular cell biology, neurobiology, ecology, zoology, methods (python).

ADDITIONAL WORK EXPERIENCE

Founder

05/2026 - present

Evidio, IOS app, not launched yet

remote - Toronto, Canada

- building a source based, short form content scientific social media platform
- learning full stack development, learning proper communication with LLMs

Service worker

01/2024 - 11/2024

eyescontact, claudel events

Berlin, Germany

- worked at two different service worker contractors as a freelancer
- worked different events, like soccer games, weddings, concerts, festivals, fairs etc.

Service worker

05/2023 - 11/2023

Allermunde Restaurant

Berlin, Germany

- serving tables (food and beverages), mixing drinks, cleaning dishes
- shift leader, responsible for all staff being in the restaurant during my shift, close communication with the management