

Nathan Flach

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Education

09.2021 – present
Salzburg, Austria

Joint MSc in Human-Computer Interaction (HCI)

University of Salzburg & FH Salzburg, Austria

- Deputy Student Representative

09.2014 – 12.2020
Waterloo, Canada

Honours Bachelor of Knowledge Integration (Collaborative Design Specialization)

University of Waterloo, Canada

- Computer Science Minor
- Varsity Tennis, Cross Country, and Track & Field Middle-Distance Captain
- Graduated on the Dean's Honours List, 2020
- Recipient of the University of Waterloo President's Scholarship, 2015

Professional Experience

2021
Toronto, Canada

Jr. Data Analyst

The Globe and Mail (SOPHI)

Wrote SQL queries to manage data of digital news publishers on the SOPHI AI platform

05.2019 – 09.2019
Toronto, Canada

IT Intern

Ontario Ministry of Government and Consumer Services

Researched and proposed contemporary UX methods to implement within the Government sector in addition to assisting ministry stakeholder cloud infrastructure design

05.2018 – 08.2018
Toronto, Canada

Frontend Web Developer

League Inc.

Implemented a React admin portal for employee wellness initiatives and wrote Jobs to Be Done use case documents for a benefits platform

05.2016 – 08.2017
Toronto, Canada

Web Developer Intern

JUICE Mobile

Designed wireframes in Balsamiq for a programmatic direct ad-tech platform predicated on user interviews and Google analytics; Strengthened the quality of the backend platform by building out an API and producing an automated pytest suite

09.2015 – 12.2015
Toronto, Canada

Agile Test Engineer Intern

Pivotal Labs

Designed and implemented manual and automated testing plans for clients such as Aeroplan, Ford, NBA, and President's Choice

Volunteering

2020 – 2021
Toronto, Canada

Youth Challenge International

Climate Action Team Lead

Led a team of students throughout a project with the Toronto Environmental Alliance by managing development, planning, grant writing, and all the team's financials.

Skills

Research

Usability testing, user interviewing, thematic analysis, scientific writing, theory selection, research through design method

Design

User-centered design, design thinking, agile methodologies, Adobe Xd, Figma, Illustrator, Invision, Balsamiq

Prototyping

Arduino (sensors, lights, sound, haptics), Unity, React, Python, SQL, GIT

Project

Management

Grant writing and budgeting, Trello, JIRA, Airtable, Confluence, CI/CD