

Oliver Dantzer

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EDUCATION

Queen's University

Bachelor of Computing (Honours)
Software Design Specialization

Kingston, ON
Sep 2021 - Expected May 2025

- Relevant Coursework: *System Level Programming (C)*, *Computer Architecture (C, x86-64 assembly)*, *Software Specifications*, *Data Structures (Python)*, *Linear Data Analysis (MATLAB)*

WORK EXPERIENCE

Limestone District School Board

Learning Technologies Technician

Kingston, ON
Jun 2022 - Sep 2022

- Conducted crucial organization, repairs, and updates on 1000+ devices across the school board as part of a skilled team to facilitate their rollout before the next academic year.
- Implemented a comprehensive survey of schools' technology infrastructure, leveraging my analytical skills to identify equipment needs and prioritize critical gaps, enabling the school board to make informed decisions and optimize their budget while ensuring that students had access to the latest devices and resources.

CLUBS

inQUbate

Tech Analyst

Kingston, ON
May 2023 - Present

- New member of Canada's first student-run disruptive tech startup incubator.
- Selected among a highly competitive pool, with an acceptance rate of less than 20%.

COMPETITIONS

Queen's Tech and Media Association - Product Series

Feb 2023 - Mar 2023

- Competition for the best web app pitch.
- Successfully led my team of developers and business analysts to create an AI-based music generation web app pitch.
- Coded the music generation demo with Python. Check it out at github.com/oliverdantzer/music-generation.
- Won the award for most creative design.

Distributive - compute.for(COMPSA)

Jan 2023 - Feb 2023

- Competition to create a project using the Distributive Compute Protocol.
- Developed a project with my teammate using Python, utilizing distributed computing for the efficient calculation of many evolutionary neural networks competing in a strategy game.
- Submission: github.com/ATNoName/Brainy_Blobs.

PERSONAL PROJECTS

Portfolio Website | Typescript, Next.js, React.js, Tailwind CSS, Node.js, CSS, HTML

- github.com/oliverdantzer/next-js-portfolio
- Implemented client-side state management to enable a light and dark theme toggle feature using Tailwind CSS.
- Improved SEO through server-side rendering of metadata and generating the sitemap on build.
- Leveraged media queries and flexible layouts to ensure accessibility and user-friendliness on all devices.

SKILLS

Programming languages: Advanced in *Python*, *JavaScript*;
Intermediate in *Java*, *C*, *C++*, *TypeScript*,
Beginner in *MATLAB*, *Bash*, *x86-64 Assembly Language*

Dev tools: *Git*, *Docker*, *Visual Studio*, *Eclipse*, *VS Code*, *PyCharm*

Other Technologies: *JSON*, *XML*, *Microsoft 365*

Languages: Fluent in *English*; Intermediate in *French*

Python Libraries: *NumPy*, *Pandas*, *Tensorflow*,
scikit-learn, *Pygame*, *Matplotlib*

JS Frameworks: *Next.js*, *Node.js*, *React.js*

Web Technologies: *HTML5*, *CSS3*, *Tailwind CSS*

Database Technologies: *MongoDB*, *SQL (MySQL)*