

OLIVER DANTZER

Kingston, ON | +1 (343) 364 8204 | oliver.dantzer@queensu.ca
linkedin.com/in/oliverdantzer | github.com/oliverdantzer | oliverdantzer.me

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.

COMPETITIONS

QUEEN'S TECH AND MEDIA ASSOCIATION - PRODUCT SERIES | Python

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. Check it out at github.com/oliverdantzer/music-generation.
- Won the award for most creative design.

DISTRIBUTIVE - COMPUTE.FOR(COMPSA) | Python

Jan 2023 - Feb 2023

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

PERSONAL PROJECTS

MY WEBSITE | Typescript, Next.js, React.js, Tailwind CSS, Node.js, CSS, HTML

- oliverdantzer.me
- Employed server-side rendering of metadata and an auto-generated sitemap during the build process, demonstrating a keen focus on search engine optimization.
- Implemented a light and dark theme toggle feature using React's useState hook to manipulate the CSS classes provided by Tailwind CSS, and utilized local storage to persist the theme state across the website, resulting in a seamless and personalized user experience.
- Showcased a commitment to responsive design, leveraging media queries and flexible layouts to ensure accessibility and user-friendliness on all devices.
- Source code: github.com/oliverdantzer/next-js-portfolio

ADDITIONAL

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*, *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)*