

Leonardo Nigro

Jobs@leonardonigro.com - www.leonardonigro.com - <https://github.com/Leosly7663>

TECHNICAL SKILLS

Programming Languages: JavaScript, Python, C, Rust, MySQL, Kotlin, Swift

Frameworks and Services: React, React Native, AWS S3, Vercel, Next.js, Django

Operating Systems: Windows XP/Vista/7/8/10/11, Linux Mint/Ubuntu/Red Hat, MacOS

PROFESSIONAL EXPERIENCE

Software Developer Intern | Life of A Server INC. | Elora, ON

April 2023 – Dec 2023

- Contributed to the transition from a **PHP** web app to a **React Native** cross-platform application, optimizing performance and user experience with native development options.
- Utilized AWS for cloud computing, maintaining a **Django** API and MySQL RDS for backend web services.
- Maintained a robust GIT CI pipeline, streamlining the integration of updates into a parallel production instance.
- Proficiently used **Tailwind** CSS and **Typescript** in **React** to ensure scalable and industry-standard code.
- Orchestrated collaboration with an external development team using **Jira** and **Teams**, translating concepts into executable code.

Secondary School Tutor | Tutorax

Jan - April 2022

- Individually mentor students in Math, Physics and Computer Science, explaining challenging concepts and reinforcing learning from in-class with exercises and practice problem sets.
- Saw an overall 15% grade point average boost from years without tutor support.
- Coordinated billing, time slots and student progress with parents.

PROJECTS

WEATHER DATA ANALYSIS | Personal Project

February 2024

- Developed a Python Web scraping script to pull live data from weather.gc.ca and store it in a **JSON** document style database, collecting data from **100+ cities**
- Utilized **GitHub Actions** to automate scripting calls to every hour allowing for a constant stream of data.
- Plotted best fits, percentile error, standard deviation and regression through **Matplotlib**

PYTHON WEATHER HUD | Personal Project

January 2024

- Developed a Python Web scraping script to pull live data from weather.gc.ca and display in a meaningful way through a tkinter GUI display.
- Integrated beautifulsoup4, and pillow to facilitate the download of scraped images and temporarily cache them for immediate retrieval without compromising API calls.

POWERPOINT GPT | Personal Project

February 2022

- Developed a fully functional **Python** wrapper to interact with **GPT-4.0 API** access keys, seamlessly incorporating python's capabilities into PowerPoint generation.
- Integrated python-pptx, to develop automated presentation generation. Facilitated dynamic slide creation using content generated by GPT-4.0, enabling rapid production of professional-quality presentations.

AstroBrick | Personal Project

May 2021

- Created a retro style mini game in **JavaScript** for web with player lives, a pause menu, and immersive controls.
- Due to a lack of game engine, mouse tracking, player movement and collisions were all hard coded in JS

EDUCATION

The University of Guelph | Guelph, ON

B.Eng. in Computer Engineering Co-op

April 2027

Relevant Courses: Computer Organization, Data Structures, OOP, Computer Architecture, Digital Design