

Leonardo Nigro

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EDUCATION

The University of Guelph | Guelph, ON

B.Eng. in Computer Engineering

April 2027

Relevant Courses: Computer Organization, Data Structures, Foundations of Programming, OOP

TECHNICAL SKILLS

Programming Languages: JavaScript, Python, C, 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

PROJECTS

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.
- Breakable brick objects will procedurally spawn closing onto a player, the player can shoot a projectile object to break these enclosing bricks but if the projectile, or bricks collide with the ship the player loses a life.
- Due to a lack of game engine, mouse tracking, player movement and collisions were all hard coded in JS

PROFESSIONAL EXPERIENCE

Software Developer | Life Of A Server INC. | Elora, ON

April 2023 - Present

- Spearheaded the successful 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, integrating 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.
- Coordinate billing, time slots and student progress with parents.

LEADERSHIP EXPERIENCE

Head of Development | LIFE OF A SERVER INC

Dec 2023 - Present

- Re-envisioned the design and future of the App. Revaluating the potential profit and future of the past design.
- Met with CEOs and members of the board frequently to discuss marketing improvements, through the redevelopment of the E-Commerce web store, facilitating higher profits and longer user retention.
- Maintained a GitHub Corporation account, implementing branch rules, clean code practices and team collaboration.
- Orchestrated a C-Suite Trello board to push development across all sectors through efficient communication.