Michael Quick

⌂ Denfield, ON, N0M1P0

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🔗 michaelquick.ca

EDUCATION

HONOURS BACHELOR OF SCIENCE │ *University of Western Ontario* Expected 2022 – 2027
- *Honours Specialization in Computer Science, Minor in Game Development*
- Related coursework: data structures and algorithms, computer architecture, systems programming, artificial intelligence, operating systems

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EXPERIENCE

GRUV MEDIA London, ON
Developer Jul 2023 – Present
- Developed websites and full-stack applications using Python, PHP, Django, Wagtail, WordPress, JavaScript, HTML, CSS, and Git
- Maintained websites and handled server operations, including security and performance reviews
- Handled databases and server technologies including CPanel, Apache, and PostgresSQL
- Coordinated with clients as well as team members to improve workflow and handle issues
- Ensured websites were performing well and acheiving high SEO scores

HYLAND FARMS LTD. Denfield, ON
Farmhand April 2019 – Oct 2024
- Developed, installed, and programmed self-steering solutions for tractors utilizing the open source project AGOpenGPS
- Created efficient and safe wiring harnesses for the auto steer motor, wheel angle sensor, main board, and GPS antenna
- Communicated with active members of the AGOpen and farming community, as well as my employer to ensure the best possible auto steering solution
- Responsible for the wellbeing of animals, including feeding, cleaning their enclosures and equipment, and informing others of their condition

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SKILLS AND INTERESTS

Programming languages Java, Python, C/C++, C#, R, PHP, HTML, CSS, JavaScript, SQL, Kotlin, TypeScript

Frameworks and libraries WHM, CPanel, WordPress, React, Django, Wagtail, Scikit-learn, AGOpenGPS, PostgresSQL, Android Studio

Other skills Git, Linux, Microsoft Office, Communication, Problem-solving, Hard-working, Visual Studio, Visual Studio Code, Unity, Unreal Engine, Godot

Interests Fitness, basketball, cars, golf, playing the drums, video games & game development

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AWARDS AND CERTIFICATIONS

Learn to Lead Leadership Certificate, University of Western Ontario	2022
Western Game Design Society Game Jam Winner	2023
Participant in Western AI's DataQuest 2023 and 2024	2023/2024
Western Game Design Society GameJam 2023 Competition Winner	2023
Participant in Crack the Code Cyber Security Capture the Flag	2024

PROJECTS

DATAQUEST | *Link* ↗   2023/2024
- Utilized Python with pandas, scikit-learn, and other packages to create machine learning models
- Collaborated with team members to design a functioning model and presentation
- Successfully designed and implemented a working model with high accuracy in both the 2023 and 2024 events
- In 2023 our team of four investigated trends in hotel cancellations and in 2024 investigated the potential features that could be signs of credit card fraud

TRACTOR AUTO-STEER   2024
- Determined necessary hardware such as GPS, main board, IMU, etc.
- Soldered hardware and built wiring harness to connect the auto-steering solution to the tractor
- Adjusted settings and optimized software for the tractor using measurements, understanding of PWM, and test drives