

Joel Kayyalakam

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Education

University of Guelph <i>Bachelor of Computing (Co-op), Computer Science</i>	May 2027 Guelph, ON
<ul style="list-style-type: none">Relevant Coursework: Data Structures, Algorithms, Object-Oriented Programming, Operating Systems	

Experience

University of Guelph <i>Software Developer & Support Specialist Intern</i>	Jan. 2025 – Aug. 2025 Guelph, ON
<ul style="list-style-type: none">Trained 100+ clients on Sharepoint, Drupal, and Content Hub with AODA-compliant guides and tutorialsMigrated 50+ websites from Drupal 7 to Content Hub by rebuilding components with HTML, CSS, and JavaScriptLed Agile meetings and worked on UI/UX enhancements and bugfix tickets, increasing client satisfaction by 75%	
Evstry <i>Full-Stack Developer Intern (Part-time)</i>	Feb. 2024 – Present Toronto, ON
<ul style="list-style-type: none">Developed the Evstry website integrating React with a CMS and design assets from Figma and Webflow, boosting engagement by 60% and reaching 1,000+ visitorsOptimized SEO and pixel placement for YouTube, TikTok, and Instagram ads, boosting click-through rate by 35%Guided an Agile team of five software interns, accelerating task completion and improving workflow efficiency	
Next Build PCs <i>Founder</i>	Feb. 2023 – Present Cambridge, ON
<ul style="list-style-type: none">Founded a startup building custom PCs for gamers, creators, and professionals, generating \$7,000+ in revenueDesigned and assembled 50+ high-performance systems optimized for efficiency, cooling, and aestheticsManaged end-to-end client process: consultations, sourcing, assembly, testing, delivery, and post-build support	

Projects

Gryphon Racing Formula SAE <i>Driveline & Embedded Systems Team</i>	
<ul style="list-style-type: none">Developed and integrated embedded systems for real-time data acquisition and vehicle controlCollaborated with engineers to design, test, and optimize drivetrain components for improved performance	
Spice Mart – Barrie <i>Next.js, Tailwind CSS, MongoDB, Auth0</i>	
<ul style="list-style-type: none">Built a full-stack website with an admin portal for managing menu items and inventory using MongoDB and an authenticated RESTful API with full CRUD functionalityImproved client visibility by 40% through SEO optimization and responsive, user-friendly UI design	
WebCam Scanner <i>Python, YOLOv3, MediaPipe, OpenCV</i>	
<ul style="list-style-type: none">Developed a real-time hand and object tracking app with gesture recognition and bounding box visualizationOptimized image processing for high FPS performance and smooth gesture detection	
Mancala Board Game <i>Java, Swing, OOP</i>	
<ul style="list-style-type: none">Developed a graphical version of the Mancala game using Java Swing, featuring turn-based logic and two-playersApplied encapsulation, inheritance, and polymorphism to create modular code with save/load game state support	
3D Pong <i>Visual Python</i>	
<ul style="list-style-type: none">Built a 3D Pong game featuring single-player, two-player, and high-score modes in a dynamic arenaIntegrated physics-based elements and trajectory variation to enhance game complexity	

Technical Skills

Programming Languages: C, C++, Python, JavaScript, CSS, HTML, SQL, C#, Java
Frameworks & Technologies: React.js, Next.js, Node.js, Tailwind CSS, Git, MongoDB, Auth0, Arduino
Design & Methodologies: Figma, Webflow, SolidWorks, AutoCAD, Miro, Agile/Scrum, RESTful APIs