

Dasol Lim

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EXPERIENCE

Velocity Ventures

Dec. 2025 – Present

Software Engineer (Python, React, TypeScript, SQL)

Toronto, ON

- Developed quantitative models for algorithmic trading strategies, combining real-time market-data and statistical indicators to identify high-probability trade opportunities.
- Analyzed datasets using API and WebSocket to detect trends, unusual volume, and momentum patterns, contributing to a **20% increase in profitable trade signals**.
- Automated trading workflows with risk-mitigation logic, including stop-loss, take-profit, position sizing, and order validation, **reducing manual execution workload by 60%**.
- Optimized data pipelines for extraction, transformation, filtering, and quantitative analysis, **reducing strategy runtime to under 10ms**.
- Integrated machine-learning-based signal evaluation into trading models, **improving trade signal classification accuracy by 25%**.

Ameerz

Dec. 2024 – Jul. 2025

Software Developer Intern (TypeScript, Express, React, SQL)

Mississauga, ON

- Redesigned and **optimized RESTful APIs** with scalable integration patterns, reducing response times by 30% and improving platform stability for 500+ active users.
- Automated build, test, and deployment with CI/CD using GitHub Actions, **reducing release errors by 20%**.
- Developed a key certification system for third-party verification, saving users up to \$1,000 annually.
- Collaborated with 4 engineers in an Agile environment, utilizing Jira for sprint management, optimizing workflows, and accelerating feature delivery by 25%.

Elkor Technologies Inc

May 2023 – Aug. 2023

Software Engineering Co-op (JavaScript, HTML, CSS, Bootstrap, C#, PHP, LUA)

London, ON

- Built and maintained a responsive e-commerce platform, enhancing UI performance and user satisfaction by 30% across desktop and mobile.
- Developed 49+ dynamic product pages with a data processing script, streamlining workflows to **increase operational efficiency by 25% and saving \$10,000 annually**.
- Automated unit testing infrastructure with Selenium IDE, **reducing reported bugs by 45%** and lowering customer support calls by 70%, enhancing QA workflows.
- Engineered a custom calibration plugin for power and current monitoring, refining sensor accuracy in chip production and **achieving a 95% success rate across 50+ products**.

PROJECT

WCS MAiSTRO (Python, Flask, Next.js, TypeScript, TensorFlow)

- Built a responsive frontend for real-time music composition with interactive editing and visualization features, achieving 95% user satisfaction.
- Integrated Flask and Node.js RESTful APIs for real-time AI inference, **reducing latency by 40%** and enabling smooth client-side performance.
- Optimized Transformer model training 20,000+ MIDI files with GPU acceleration, **boosting melody accuracy by 35% and cutting training time by 20%**.

EDUCATION

University of Western Ontario

Sept. 2021 – Jun. 2025

Bachelor of Engineering Science (BESc) - Software Engineering

London, ON

TECHNICAL SKILLS

Languages : Python, TypeScript, JavaScript, HTML, CSS, Java, SQL, C#, PHP, LUA

Frameworks : React, Next.js, Flask, Node.js, Express, TensorFlow, PyTorch, Redux, Tailwind, Bootstrap

Tools : GitHub Actions (CI/CD), AWS (EC2), GCP, Docker, MongoDB, MySQL, Linux, Git, Jira, Selenium IDE, Figma