

Experience

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| Software Engineering Contractor | Neuma | Sep 2023 – Apr 2024 |
| <ul style="list-style-type: none">▪ Leading team of 4 to build immersive tool to collect and analyze psychedelic experiences▪ Constructed fast and minimal system with <300ms second response times using Flask and SQLite▪ Architected React frontend based on Figma designs, following client preferences▪ Accomplished curation of high quality data by creating RAG powered chatbot to engage with psychedelic users, extracting valuable information for researchers | | |
| Software Engineering Competitor | buildspace | May 2023 – Aug 2023 |
| <ul style="list-style-type: none">▪ Enhanced video game experience shown by 5x increase in game replays by building Python toolkit for fun NPC interaction via LangChain and ChromaDB▪ Accelerated adoption measured by 30% faster onboarding via clear and concise documentation▪ Nurtured a Discord community with 30+ users, incorporating 4 user suggestions | | |
| Software Engineering Intern | Canadian Imperial Bank of Commerce | May 2022 – Aug 2022 |
| <ul style="list-style-type: none">▪ Empowered refinancing sales team to find better leads by developing house price prediction model with 90% accuracy within 10% of true price▪ Enhanced code quality and stability with 10% reduction in bug-fixing time and accelerating development cycles by 5-10% by conducting workshops on GitHub CI/CD and TDD▪ Boosted client convenience cutting account creation time from 1 hour in person to 10 mins online via backend integration with experimental government digital ID program▪ Identified critical network exploit on CIBC network, meticulously documented reproducible steps, and promptly escalated to InfoSec for swift resolution, safeguarding user financial data | | |
| Venture Manager | inQubate | May 2022 – Apr 2023 |
| <ul style="list-style-type: none">▪ Provided technical expertise and guidance to three early-stage startups in the AI industry▪ Conducted user interviews to gather feedback and insights on product features▪ Implemented agile methodologies across all teams, resulting in improved project delivery | | |
| Portfolio Manager | Queen's Algorithmic Trading Team | May 2021 – Apr 2022 |
| <ul style="list-style-type: none">▪ Led team to 1st place among 20 teams by introducing ML techniques▪ Raised trade signal accuracy by 20% by augmenting airline pairs trading algorithm with airport passenger data▪ Oversaw 5 developers in creating a Python stock trading algorithm with a 50% win rate | | |
| Teaching Assistant | Queen's University | Sep 2021 – Apr 2022 |
| <ul style="list-style-type: none">▪ Reviewed an average of 2500 lines of Python code weekly, delivering comprehensive feedback that consistently raised subsequent assignment grades by an average of 6%▪ Led interactive office hours for 3 hours weekly, resulting in a remarkable 20% average improvement in assignment scores for participating students▪ Guided over 250 students through email inquiries, resolving complex Python and discrete math problems and contributing to their academic success | | |

Education

- Queen's University | Bachelor of Computing (Honours) | GPA: 3.8

Skills

- Python, Java, C, C++, Javascript, SQL, NumPy, Pandas, Keras, Pytorch
- Linux, Bash, Git, CI/CD, Docker, AWS, Azure, Operating Systems, Neural Networks