

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 <i><300ms second response times</i> using Flask and SQLite▪ Architected React frontend based on Figma designs, following client preferences▪ Accomplished curation of <i>high quality data</i> 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 <i>5x increase in game replays</i> by building Python toolkit for fun NPC interaction via <i>LangChain</i> and <i>ChromaDB</i>▪ Accelerated adoption measured by <i>30% faster onboarding</i> via clear and concise documentation▪ Nurtured a Discord community with <i>30+ users</i>, incorporating <i>4 user suggestions</i> | | |
| 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 <i>90% accuracy within 10% of true price</i>▪ Enhanced code quality and stability with <i>10% reduction in bug-fixing time</i> and <i>accelerating development cycles by 5-10%</i> by conducting workshops on <i>GitHub CI/CD</i> and <i>TDD</i>▪ Boosted client convenience cutting account creation time from <i>1 hour in person to 10 mins online</i> via backend integration with experimental government digital ID program▪ Identified critical <i>network exploit on CIBC network</i>, meticulously documented <i>reproducible steps</i>, 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 <i>three early-stage startups</i> in the AI industry▪ Achieved valuable user insights and product enhancements through conducting <i>50+ user interviews</i>▪ Implemented agile methodologies across startup teams, leading to a <i>25% reduction in project delivery timeframes</i> within three months | | |
| Portfolio Manager | Queen's Algorithmic Trading Team | May 2021 – Apr 2022 |
| <ul style="list-style-type: none">▪ <i>Led team to 1st place among 20 teams</i> by introducing ML techniques▪ <i>Raised trade signal accuracy by 20%</i> by augmenting an airline pairs trading algorithm with scraped airport passenger volume data▪ <i>Oversaw 5 developers</i> 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 <i>2500 lines of Python code weekly</i>, delivering comprehensive feedback that consistently raised subsequent assignment grades by an average of 6%▪ Led <i>interactive office hours for 3 hours weekly</i>, resulting in a remarkable <i>20% average improvement</i> in assignment scores for participating students▪ Guided over <i>250 students</i> 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