

## Experience

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|---|---|----------------------------|
| <b>Software Engineering Contractor</b>  | <b>Neuma</b>                              | <b>Sep 2023 – Apr 2024</b> |
| <ul style="list-style-type: none"><li>▪ Leading team of 4 to build immersive tool to collect and analyze psychedelic experiences</li><li>▪ Constructed fast and minimal system with &lt;300ms second response times using Flask and SQLite</li><li>▪ Architected React frontend based on Figma designs, following client preferences</li><li>▪ Accomplished curation of high quality data by creating RAG powered chatbot to engage with psychedelic users, extracting valuable information for researchers</li></ul>   |   |                            |
| <b>Software Engineering Competitor</b>  | <b>buildspace</b>                         | <b>May 2023 – Aug 2023</b> |
| <ul style="list-style-type: none"><li>▪ Enhanced video game experience shown by 5x increase in game replays by building Python toolkit for fun NPC interaction via LangChain and ChromaDB</li><li>▪ Accelerated adoption measured by 30% faster onboarding via clear and concise documentation</li><li>▪ Nurtured a Discord community with 30+ users, incorporating 4 user suggestions</li></ul>  |   |                            |
| <b>Software Engineering Intern</b>  | <b>Canadian Imperial Bank of Commerce</b> | <b>May 2022 – Aug 2022</b> |
| <ul style="list-style-type: none"><li>▪ Empowered refinancing sales team to find better leads by developing house price prediction model with 90% accuracy within 10% of true price</li><li>▪ 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</li><li>▪ 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</li><li>▪ Identified critical network exploit on CIBC network, meticulously documented reproducible steps, and promptly escalated to InfoSec for swift resolution, safeguarding user financial data</li></ul> |   |                            |
| <b>Venture Manager</b>  | <b>inQubate</b>                           | <b>May 2022 – Apr 2023</b> |
| <ul style="list-style-type: none"><li>▪ Provided technical expertise and guidance to three early-stage startups in the AI industry</li><li>▪ Achieved valuable user insights and product enhancements through conducting 50+ user interviews</li><li>▪ Implemented agile methodologies across startup teams, leading to a 25% reduction in project delivery timeframes within three months</li></ul>  |   |                            |
| <b>Portfolio Manager</b>  | <b>Queen's Algorithmic Trading Team</b>   | <b>May 2021 – Apr 2022</b> |
| <ul style="list-style-type: none"><li>▪ Led team to 1st place among 20 teams by introducing ML techniques</li><li>▪ Raised trade signal accuracy by 20% by augmenting an airline pairs trading algorithm with scraped airport passenger volume data</li><li>▪ Oversaw 5 developers in creating a Python stock trading algorithm with a 50% win rate</li></ul>   |   |                            |
| <b>Teaching Assistant</b>   | <b>Queen's University</b>                 | <b>Sep 2021 – Apr 2022</b> |
| <ul style="list-style-type: none"><li>▪ Reviewed an average of 2500 lines of Python code weekly, delivering comprehensive feedback that consistently raised subsequent assignment grades by an average of 6%</li><li>▪ Led interactive office hours for 3 hours weekly, resulting in a remarkable 20% average improvement in assignment scores for participating students</li><li>▪ Guided over 250 students through email inquiries, resolving complex Python and discrete math problems and contributing to their academic success</li></ul>  |   |                            |

## 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