

# Romina Caraba-Thampi

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## EDUCATION

2019 • **Diploma in Data Science**, Brainstation, Toronto, Canada

2018 • **M.S. in Bioinformatics**, Technical University of Dresden, Germany

2015 • **B.S. in Physics**, West University of Timisoara, Romania

## TECHNICAL SKILLS

- Languages: Go, Python (+TensorFlow, matplotlib, pandas, NLTK, Jupyter), R
- Databases & Tools: SQL, Tableau, WordPress, Insomnia API
- Cloud Computing/ OS / VM: AWS, Docker, Unix, MAC OS, Windows, bash, git

## RELEVANT EXPERIENCE

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|-------------------------------------|---|
| 12/20 – Present<br>Waterloo, Canada | <b>Starship Dreams</b> – Project Engineer (Contractor) <ul style="list-style-type: none"><li>• Developed API code in Go to scale from 500k to over 1 million users.</li><li>• Re-designed legacy database to speed up (100x) data mapping and processing.</li><li>• Saved over \$200k/year by automating manual tasks for shipping related tasks.</li><li>• Deployed, customised, and managed Docker containers on AWS.</li></ul> |
| 06/20 – Present<br>Waterloo, Canada | <b>Minyum Labs</b> – Owner, Web Developer <ul style="list-style-type: none"><li>• Created or improved online presence for small businesses and non-profits (e.g., regional art gallery, e-commerce businesses).</li><li>• Conducted front-end and back-end development, provided maintenance, support, website traffic analytics, SEO, and cloud deployment.</li></ul>  |
| 03/20 – 12/20<br>Waterloo, Canada   | <b>Novacene AI</b> – Machine Learning Engineer (Contractor) <ul style="list-style-type: none"><li>• Cleaned and classified over 20K free-form answers from bilingual surveys, reduced data duplication (stop words, tokenization, etc.) using NLTK &amp; pandas.</li><li>• Analyzed Canadian COVID-19 data and built predictive models for total number of cases for mid-2020.</li></ul>  |
| 09/19 – 03/20<br>Waterloo, Canada   | <b>Crania Schools</b> – Robotics and Mathematics Instructor <ul style="list-style-type: none"><li>• Taught Robotics and programming using Lego bots. Taught K-12 Mathematics.</li><li>• Documented and communicated student progress on course goals to identify areas of improvement.</li></ul>  |
| 06/19 – 09/19<br>Toronto, Canada    | <b>Brainstation</b> – Data Science Bootcamp Participant <ul style="list-style-type: none"><li>• Built neural network to predict presence of metastatic tissue in lymph nodes with an 83% accuracy.</li><li>• Automated breast cancer detection based on microscopic images, developed multiple AI models.</li></ul>   |
| 11/19<br>Waterloo, Canada           | <b>Canadian Space Agency and NASA App Challenge</b> – Hackathon Participant <ul style="list-style-type: none"><li>• Won the Category for the Neutron Radiation part of the Challenge.</li><li>• Visualized and interpreted radiation data collected on the ISS during the missions of Canadian astronauts.</li></ul>  |