
ROMINA CARABA-THAMPI

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PROFESSIONAL SUMMARY

Enthusiastic Machine Learning Engineer eager to contribute to team success through hard work, attention to detail and excellent organizational skills. Clear understanding of probability, statistics, analysis and training in Python. Motivated to learn, grow and excel in the tech industry.

SKILLS

- Python
 - Tableau
 - Git proficiency
 - Linux
 - SQL
 - MS Office
 - Communications
 - Amazon Web Services (AWS) Integration
 - Data collection and analysis
 - Data Management
 - Teamwork / Collaboration
 - Project Management
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WORK HISTORY

NOVACENEAI

Machine Learning Engineer | Waterloo, Ontario | March 2020 - Current

- Implemented and evaluated artificial intelligence and machine learning algorithms and neural networks for diverse industries

CRANIA SCHOOLS

Mathematics Instructor | Waterloo, ON | September 2019 - Current

- Taught students how to understand and solve K-12 math problems
- Documented and communicated student progress on course goals to identify areas in need of improvement

CODEBERRY

Code Mentor | Waterloo, ON | February 2019 - July 2019

- Monitored and managed students progress to identify areas in need of improvement for HTML, CSS and JavaScript

CODEBERRY

Technical Translator | Waterloo, ON | February 2019 - July 2019

- Collaborated in a remote team to support student education by reviewing translations of technical terms in Romanian. Increased the accuracy of translation to 100%

UPWORK

Technical Writer | Waterloo, ON | January 2019 - May 2019

- Organized material to research and complete writing tasks for a technical manual

EDUCATION

DIPLOMA Data Science

Brainstation

Toronto, ON, September 2019

- Thesis: Automated cancer detection from images of lymph node sections by building a Convolutional Neural Network (CNN) using Python's TensorFlow library.

MASTER OF SCIENCE Bioinformatics

Technical University Of Dresden

Dresden, Germany, September 2018

- Thesis: Comprehensive comparison of chemical and interaction fingerprints for FDA-approved drugs.
- Consolidated team's belief that interaction fingerprints provide more accurate results.
- Teaching Assistant for Applied Bioinformatics: Instructed students on using Python for Bioinformatics. Re-designed assignments to bolster students' understanding of tricky Bioinformatics concepts such as Levenshtein Distance.

BACHELOR OF SCIENCE Physics

West University Of Timisoara

Timisoara, Romania, July 2015

- Thesis: Radiation effects on the human body
- Research Assistant: Developed a numerical simulation of crystal growth in space under zero-gravity Conditions using CrysVUn software.
- Teaching Assistant for Introduction to C Programming: Conducted a laboratory section with coding in C for Physics Major.

ACCOMPLISHMENTS

Won a Hackathon category at CSA and NASA Challenge.