



JANE ILLARIONOVA

EXPERIENCE

MICROSOFT • SOFTWARE ENGINEERING INTERN

PRESENT

Decoupling the code and configuration deployment process by building a **shared library** on with **Azure Cloud Services** using **C# and .NET**

IMC TRADING • SOFTWARE ENGINEERING INTERN

SUMMER 2019

Developing high-performance architecture using advanced **C++**, **FPGA Control**, and **TCP Networking** to optimize trade execution

RBC CAPITAL MARKETS • AI ENGINEER INTERN

2019-2020

Using advanced **Python analytics** techniques for research and development of **Reinforcement Learning** trading algorithm currently being used in the production environment

ROYAL BANK OF CANADA • DATA ENGINEER INTERN

SUMMER 2018

Built a **semantic search** engine for an internal site using **Natural Language Processing** for information restructuring and topic-modeling

UOFT SELF-DRIVING CAR • AUTONOMY & SOFTWARE DEVELOPER 2016-2019

Leading development team of health-monitoring system to activate, test, and provide feedback on autonomous performance of hardware.

Built **Machine Learning** models for object-tracking and detection, winning 1st place internationally two consecutive years

BR(AI)N • NEURAL NETWORK ARCHITECT

2016-2019

Developed **Deep Convolutional Neural Networks** for the diagnosis of brain cancer, achieving a classification accuracy of 96%

Building **CUDA parallelizable Python** code for image recognition

EDUCATION

COMPUTER ENGINEERING • UNIVERSITY OF TORONTO • 2021

Specializing in **Software** with **Machine Learning** Minor

- **Dean's Honour List** – GPA 3.6, Dean's Merit Award, National Book Award, Engineering Society Award
- Coursework: Algorithms & Data Structures, Operating Systems

OTHER INTERESTS

- **Board of Directors** and keynote **speaker** at **A.I.S.C.** and **Toronto AI**
- **Canada Learning Code Mentor** and **Workshop lead**
- Featured: **SAS Women in Analytics** magazine & **Student of the Month**
- **Google Developer Student Club Lead**
- Toronto Chapter lead **Google Women TechMakers**

HIGHLIGHTS

My greatest passion is learning; I love exploring, and sharing my findings with others.

Working on reducing foodwaste and its carbon footprint with swate.today.

Fascinated by real and artificial neurons applied to Natural Language Processing, Computer Vision, Reinforcement Learning and predictive analytics.

SKILLS

- C, C++
- Python
- Linux, Git, Bash
- C#, .NET

ACHIEVEMENTS

- **Microsoft Scholar**
- **RTC fellow**
- **1st Place HackTPS**
- **2 x 1st Place Waterloo EngHacks**
- **MIT Energy Hacks**
- **Facebook/Udacity AI scholar**
- **PEO Scholar**
- **AWAF international scholar**



[GITHUB.COM/JANEILLARIO](https://github.com/janeillario)



ILLARIOJANE@GMAIL.COM



647-228-2871



[/IN/JANEILLARIONOVA/](https://in.linkedin.com/in/janeillarionova/)