

THE ROLE: DATA ENGINEER

LOCATION: WATERLOO

At Cognitive Systems, our data scientists and engineers work efficiently and quickly to develop smarter and more reliable solutions to enhance the experience with our products and solutions. We apply a mix of methodologies to achieve our goals, including information visualization, statistics, field experiments and machine learning, and actively employ latest research from scientific and academic communities.

ABOUT YOU

You are a master of all CS trades with an understanding of machine learning concepts. You pursue perfection and craftsmanship in your work. You will excel at improving efficiency and reliability of our development platform. You will work closely with our data scientist to provide essential computer science assistance in order to create a dream team that delivers superior performance for our solutions.

WHAT YOU'LL DO

- Implement methods for feature extractions and data collection
- Enhance and implement algorithms based on state-of- art machine learning and neural network methodologies
- Develop regression systems to improve algorithm performance
- Build visualization tools for better understanding of data
- Exploit modern parallelism for machine learning and neural network architectures (multi-core SMP, TPU, GPU and distributed clusters)

WHAT YOU'LL NEED

Logic will get you from A to B, imagination will take you everywhere

- Experience in developing and debugging Python and C
- Ability to work quickly and independently

BONUS POINTS FOR

- Bachelor or MSc degree in computer science or relative qualified fields
- Experience in building deep learning methods using Tensorflow, Keras or Caffe2
- Experience with compilers, data storage systems and parallel programming
- Good understanding of DSP and Statistics
- Research or software development experience via co-op or internship, new grads welcomed

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WHY COGNITIVE SYSTEMS?

We are always on the look-out for bright, highly motivated and energetic A-players to join our team. We encourage an open and agile environment where creative thinking leads to groundbreaking achievements and innovations. We promote a healthy work-life balance in a flexible work setting. We offer competitive salaries, an excellent extended health care benefits plan, 4 weeks of paid vacation annually, and we even provide a free catered lunch daily! Most importantly, we are committed to creating the best, most innovative and impactful technology that people will love.

ABOUT US

Founded in 2014, Cognitive Systems Corp., set out on a mission to transform the way the world interacts with and uses wireless signals. Determined to use radio frequency (RF) technology to build a new way to interpret wireless signals, the co-founders drew upon their expertise in silicon design, RF, and cryptography. As a result, Aura WiFi Motion was born.

Through partnerships with chipset manufacturers, such as Qualcomm, Marvell and Cypress, Cognitive Systems is licensing its Aura WiFi Motion Stack for use in mesh routers, voice assistants and IoT devices, enabling these devices to see and interpret motion, provide contextual awareness and user behaviour insights into the home.

TO APPLY:

Please e-mail your resume to careers@cognitivesystems.com