

Jhonatan Oliveira



Jhonatan Oliveira

08/02/1991

Brazil

jhonatanoliveira@gmail.com

+1-306-5804930

<https://jhonatanoliveira.github.io>

PROFILE

A third-year Ph.D. student in Computer Science researching probabilistic graphical models and generative deep learning models. Several academic publications including a recent paper at the top tier conference AAAI 2019. Research projects involving theoretical development and implementation of machine learning models, including Sum-Product networks, generative adversarial networks (GANs), Bayesian networks, and Markov networks. Bachelor in Electrical Engineering with experience in robotics, parallel and numerical programming, and general artificial intelligence algorithms. Extensive programming experience with Python, C++, and Java, and some experience with Matlab and OCaml. Professional web development experience in JavaScript (Node.js, Angular, Meteor.js), PHP (CakePHP, Zend), Python (Django, Flask), and Java (Struts2), including mobile development with Cordova and NativeScript / React Native.

WORK EXPERIENCE

Senior Software Engineer 08/2018 – present
Gign, Regina, Canada

Part-time position managing a small developer team in a startup company developing a mobile app focusing on the music/video streaming market. Duties involve designing technical documentation, automated tests, project deployment, reviewing and supervising developers.

Software Engineer Intern 08/2011 – 09/2012
SYDLE, Viçosa, Brazil

Member of a medium-sized software development team working in a system for power contract management. Development performed in Java using an internal framework (inspired on Struts2). Familiar with tools such as Eclipse IDE, database (Oracle), revision control system (CVS), and MVC/ORM design patterns. I was being trained for a System Analyst position.

Web Developer 06/2010 – 12/2010
Universidade Federal de Viçosa, Viçosa, Brazil

Web developer for the university internal systems using frameworks in PHP language, database (MySQL), JavaScript (jQuery), and Ajax operations. Familiar with concepts such as design patterns

WORK EXPERIENCE

Model, View and Controller (MVC) and Object-Relational Mapping (ORM).

Linux Network Administrator 01/2010 – 06/2010

Universidade Federal de Viçosa, Viçosa, Brazil

Manager of Linux computer network. Familiar with Linux distributions such as Debian, Ubuntu, and Fedora. Maintained protocols including LTSP and DHCP.

Computer Instructor 01/2007 – 06/2007

Data Prom Informática, Coronel Fabriciano, Brazil

Instructor at a computer learning centre teaching basic concepts such as operational systems (Linux and Windows) and office suits (Word, Excel, PowerPoint).

EDUCATION

PhD in Computer Science 09/2016 – present
University of Regina, Regina, Canada

MSc in Computer Science 01/2015 – 08/2016
University of Regina, Regina, Canada

Bachelor in Electrical Engineering 01/2009 – 12/2014
Universidade Federal de Viçosa, Viçosa, Brazil

★ SKILLS

Artificial Intelligence

Deep Learning

Machine Learning

Neural Networks

Probabilistic Models

Bayesian networks

Python

C++

Java

Software Engineering

Web Development

Mobile Applications

JavaScript

HTML

CSS

React.js

Angular

MongoDB

NativeScript

PHP

Amazon Web Services (AWS)

Google Cloud Platform (GCP)

Robotics

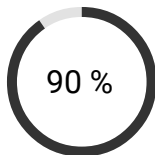
Matlab

OCaml

🗨️ LANGUAGES



Portuguese



English

🏆 AWARDS

Science Without Borders 01/2013
Coordenação de Aperfeiçoamento de Pessoal de Nível Superior (CAPES)

Science Without Borders scholarship from the Brazilian government, an exchange student scholarship to study during one year at the University of Regina, Canada. Value: \$65,023.41 BRL (~ 22,500 CAD)

Graduate Studies Scholarship Scholarly Award 01/2015
University of Regina

Value: \$6,000 CAD

Graduate Studies Scholarship Scholarly Award 05/2015
University of Regina

Value: \$6,000 CAD

Graduate Studies Scholarship Scholarly Award 09/2015
University of Regina

Value: \$3,000 CAD

🏆 AWARDS

Graduate Studies Scholarship Scholarly Award 01/2016
University of Regina

Value: \$6,000 CAD

Graduate Studies Research Fellowship 09/2016
University of Regina

Value: \$22,623.38 CAD per year for up to 4 years

🏆 CERTIFICATES

Convolutional Neural Networks 12/2017
Coursera

<https://www.coursera.org/account/accomplishments/verify/MX965WE5BCPA>

Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization 10/2017
Coursera

<https://www.coursera.org/account/accomplishments/verify/4DPFU2SJUGFH>

Structuring Machine Learning Projects 10/2017
Coursera

<https://www.coursera.org/account/accomplishments/verify/CY7FH4WP37Z7>

Neural Networks and Deep Learning 09/2017
Coursera

<https://www.coursera.org/account/accomplishments/verify/2Q8977CRUM3D>

Probabilistic Graphical Models 1: Representation 05/2017
Coursera

<https://www.coursera.org/account/accomplishments/verify/TM7KHT24EBQV>

Machine Learning 06/2014
Coursera

https://jhonatanoliveira.github.io/files/Coursera_Certificate_v1-972224147177.pdf

Data Mining with Weka 04/2014
The University of Waikato

<https://jhonatanoliveira.github.io/files/mooc-certificate-dmww-2014%20235.pdf>

🌐 HOBBIES



Purple belt in jiu-jitsu



Theatre actor / director



(Audio)books / Music enthusiast