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PROFILES

 LinkedIn

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 Yukon Cyber

WORK EXPERIENCE

1/2022

Founder & Machine Learning Specialist at [Yukon Cybernetics](#)

São Paulo, Brazil

Founded the robotics startup [Yukon Cybernetics](#). Yukon Cybernetics mission is to imagine and create exceptional robots that enrich peoples lives. Building machines that can approximate the mobility, dexterity and agility of people and animals is a grand challenge. Curiosity and respect for the natural world are at the heart of our work on robots. We see products derived from this work as the next step in the human history of building machines to reduce the danger, repetition and physically difficult aspects of work.

6/2022 TILL 9/2022

Machine Learning Specialist & Software Engineer at [Carbonext](#) | [Google for Startups](#)

São Paulo, Brazil

Leveraged spatial data, location data, satellite and aerial imagery or any other form of geographic information, using machine learning to gather usable insights and structured information for various applications. Developed both client and server software.

**Technologies:** *Node, AspNet Core, NextJS, Chakra UI, Python, Django, Docussaurus, Watchtower, Portainer, Docker, Jenkins, Excel, PowerBI, Github, ArcGIS, C#, Postgres, Redis.*

9/2018 TILL 5/2019

Machine Learning Specialist Researcher at [Ford Motor Company](#)

Remote

To develop a tool based on machine learning, that identifies opportunities for product improvements with a better impact on consumer perception based in Natural Language Processing. A range of technological duties associated with cloud computing, including design, planning, management, maintenance and support. Development and deployment of data analytics dashboards.

**Technologies:** *Python, Flask, Django, OpenCv, NLTK, Node, PowerBI, Pandas, Numpy, Tableau, Azure, Dash Plotly, Google Colab, Selenium*

5/2018 TILL 6/2018

Full Stack Software Engineer at [KAPAX Digital Marketing](#)

São Paulo, Brazil

Worked as a team developer on several inner process projects. Researched and developed a prototype failure analysis classification engine using agile development and backend tooling. Technologies: Javascript (AWS | Node | Vue | React | Nuxt | NGINX), Agile Development.

**Technologies:** *Laravel, Php, NextJS, NodeJS, Nuxt, Vue, AWS, Linux Server, Nginx, SEO*

3/2013 TILL 4/2013

Machine Learning and Music Hacklab: Swarm Animism and Generative Art at [Quorum Institute](#)

Paris, France

Spent research time in France creating an art collective, while always keeping one foot in the technology sector. I conceived and implemented a variety of interactive installations, combining my passion for art, research, and technology. It is not enough to disturb the sensory-motor connections. It is necessary to combine the optical-sound image with the enormous forces that are not those of simply intellectual consciousness, nor of the social one, but a profound, vital intuition.

**Technologies:** *Ableton Live, Max For Live, Puredata, Javascript, OpenCv, Magenta, Python*

EDUCATION

1/2012 TILL 1/2016

Senai, São Paulo: Hydraulics & Pneumatics

Pumps, Pressure Regulators, Control Valves, Actuators, and Servo-Controls. Pneumatics provides fluid power by means of pressurised air or gases. Hydraulics provides fluid power by means of pressurised liquids, such as oil or water.

Associate degree

Universidade Paulista, São Paulo: Computer Science

Modules: Artificial Intelligence, Computer Science, Mathematics, Physics, Advanced Vision, Computational Complexity, Intelligent Autonomous Robotics, Modelling and Simulation, Visualization, Neural Computation

**Thesis:** ECrypto - A blockchain based email service used for cryptocurrencies transactions and nfts

Bachelor of Science with *First class honors*

1/2020 TILL 1/2025

Universidade de Maringá, Paraná: Mechatronics Engineering

Design, construction, and use of fully autonomous robots to perform tasks done traditionally by human beings. Robots used in manufacture to perform complex tasks, and in environments where work must be performed in environments hazardous to humans. Developed a range of interactive installations using technologies including machine learning (Artificial Intelligence), computer vision, distributed computing, robotics, controllers, sensors, embedded computing and data visualization. Dealing with constructing robots from highly compliant materials, similar to those found in living organisms. Design and construction of biomedical robots with physically flexible-bodies and electronics. Machines that are predominately or entirely soft. Automated recognition of patterns and regularities in data. Applications in statistical data analysis, decision-making, signal processing, image analysis, bioinformatics, computer graphics and machine learning.

Bachelor of Science

1/2020 TILL 1/2025

Amazon Web Services AWS Certified Solutions Architect - Associate

Knowledge and skills in compute, networking, storage, and database AWS services as well as AWS deployment and management services Knowledge and skills in deploying, managing, and operating workloads on AWS as well as implementing security controls and compliance requirements Knowledge and skills in using the AWS Management Console and the AWS Command Line Interface (CLI) Understanding of the AWS Well-Architected Framework, AWS networking, security services, and the AWS global infrastructure Ability to identify which AWS services meet a given technical requirement and to define technical requirements for an AWS-based application

Associate

1/2022 TILL 7/2022

Ford Motor Company, USA: Connected Vehicle Data Awareness

Connected car data enables smart city authorities to accelerate towards advanced mobility by understanding how people move through the city.

Associate Degree

1/2022 TILL 7/2022

Ford Motor Company, USA: 6-Sigma Green Belt Training

DMAIC stands for Define, Measure, Analyse, Improve, and Control.

Associate Degree

1/2022 TILL 7/2022

Ford Motor Company, USA: Electric Motors

Electric Motor Training Course highlights the most important problems, principles and concepts related to the induction motor.

Associate Degree

1/2022 TILL 7/2022

Ford Motor Company, USA: Global 8D - FTEP Qualified

Identify and verify an escape point at D4. Then, through D5 and D6, the process requires the team to choose, verify, implement, and validate permanent corrective actions to address the escape point.

Associate Degree

1/2022 TILL 7/2022

Seoul National University, Korea: Robot Mechanics and Control

A mathematical introduction to the mechanics and control of robots. This course provides a mathematical introduction to the mechanics and control of robots that can be modeled as kinematic chains. Topics covered include the concept of a robot's configuration space and degrees of freedom, static grasp analysis, the description of rigid body motions, kinematics of open and closed chains, and the basics of robot control.

Online Degree

5/2022 TILL 6/2022

Udemy: The Complete Self-Driving Car Course - Applied Deep Learning

Deep Learning, Computer Vision and Machine Learning techniques to Build a Autonomous Cars.

Online Degree

1/2021 TILL 9/2021

University of Waterloo, Canada: SYDE 522 Machine Intelligence

An overview of different learning, inference and optimization schemes will be provided, including Principal Component Analysis, Support Vector Machines, Self-Organizing Maps, Decision Trees, Backpropagation Networks, Autoencoders, Convolutional Networks, Fuzzy Inferencing, Bayesian Inferencing, Evolutionary algorithms, and Ant Colonies. Iterative Closest-Points (ICP), Trajectory Estimation, Kalman Filters, Metric Learning.

Online Degree

1/2006 TILL 1/2008

Sir Allan MacNab Secondary School, Toronto, Canada

High School Diploma

LANGUAGES

English (Native Speaker) Portuguese (Native Speaker) Spanish (Native Speaker) French (Basic Conversational) Italian (Basic Conversational)

SKILLS

**Software Engineering:** Agile Development, Object-Oriented Programming, Functional Programming, Distributed Computing, Full Stack Programming, React, Django, Docker, Kubernetes, Microservices, Javascript, Typescript, Python, SQL, NoSQL, Git, Node.js, DevOps, Max/MSP, Audio Classification, Digital Signal Processing, Web Crawling, Digital Audio Workstations

**Machine Learning:** Neural Computation, Generative Models, Modelling and Simulation, Computer Vision, PyTorch, Tensorflow, Data Processing Pipelines, Data Visualization, Applying Academic Research in Practice

**Soft Skills:** Working Independently, Conveying Technical Information to a Non-Technical Audience, Logical Thinking and Problem Solving, Excellent Written and Oral Communication Skills