

Jose Ronaldo Pinheiro Carneiro Filho

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EDUCATION	Columbia University , New York, New York, USA	Aug 2017 – May 2021
	<ul style="list-style-type: none">▪ B.S. in Computer Science▪ Relevant Coursework:<ul style="list-style-type: none">• Advanced Deep Learning, Computation and the Brain, AI, CS Theory, Advanced Programming (C, C++), Computer Systems, Honors Data Structures (Java, Scala)	
	Udacity Deep Learning Nanodegree Udacity Self Driving Car Engineer Nanodegree	May 2019 – Jun 2019 Mar 2020 – May 2020
SKILLS	<ul style="list-style-type: none">▪ Native Languages: English, Portuguese▪ Technical Skills:<ul style="list-style-type: none">• Advanced: Java, Python, PyTorch, Tensorflow, C• Intermediate: C++, SQL, Scala, Keras, ML, JavaScript, Node.js, Linux/UNIX, ROS, OpenCV, React, Ajax, Angular, Flask, Azure• Novice: Objective C, R, Swift, OCaml	
WORK EXPERIENCE	Microsoft Cloud+AI Summer Software Engineering Intern	Jun 2020 – present
	<ul style="list-style-type: none">▪ Designed and implemented a web-based dashboard that allows Microsoft partners/vendor to track, analyze, and predict the state of contracts for more efficient B2B sales negotiations.	
	CMORQ Software Developer	Mar 2019 – Jun 2019
	<ul style="list-style-type: none">▪ Developed tools for efficient maintenance and analysis of cryptocurrency nodes to provide seamless access to historical and real-time transactional data.	
	Aride iOS Intern	Jun 2018 – Aug 2018
	<ul style="list-style-type: none">▪ Implemented variable toll tracking and localization infrastructure to update driver routes and generate real-time information on the tolls for ride-sharing and worked as a iOS product manager for a UI/UX redesign.	
RESEARCH	Columbia University Computer Science Guided Researcher	Sep 2019 – Jul 2020
	<ul style="list-style-type: none">▪ Collaborated on systems to increase the speed of learning for physical robots through the use of transfer learning, simplified robot models, and augmented specialized reinforcement learning algorithms.	
	Columbia University Computer Science Research Assistant	Sep 2019 – Dec 2019
	<ul style="list-style-type: none">▪ Designed novel algorithms that leveraged Meta-RL, statistical models, and existing bioinformatics tools to fold amino acid sequences into proteins for use in protein discovery in Pe'er lab at Columbia University.	
PROJECTS	Early-Stage Stealth Startup	May 2020 - present
	An early-stage stealth startup that works on a third-party data asset marketplace that connects data suppliers to buyers, simplifying the data procurement cycle. The startup has been accepted to Columbia Summer Startup Track at Columbia Business School and is in pre-seed stage.	
	<ul style="list-style-type: none">▪ Building ETL tools to efficiently manage data assets from multiple suppliers and clean, augment data, and present data to customers.	
	CANimals	Feb 2020 - May 2020
	<ul style="list-style-type: none">▪ Implemented a new Generative Adversarial Network (GAN/CAN) to leverage techniques from adversarial attacks and art generation to invent new dog breeds under the guidance of Prof. Peter Belhumeur	
	Neuroscience Inspired Meta-Learning	Nov 2019 - Dec 2019
	<ul style="list-style-type: none">▪ Explored modifications to the meta-learning algorithms based on neuroscience with Prof. Christos Papadimitriou. Implemented Learning to Learn using Biologically Inspired MAML, an analysis of how the addition of temporary memory to MAML affects the learning of walking robots	
	Anchor.NYC app	Aug 2017 - Aug 2018
	<ul style="list-style-type: none">▪ Led a team that implemented an iOS app which allows consumers to connect with and earn discounts from brick-and-mortar stores in Manhattan while allowing stores to collect data on customers behaviours in store. The app was accepted to Columbia Almadworks Accelerator.▪ Conceptualized and designed a 3D localization and tracking system utilizing Bluetooth beacons.	