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Arii Sichoix

Senior Blockchain Developer

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In the past 2 years, new applications for blockchain technology emerged such as DeFi protocols, Non-Fungible Token Market Places, Decentralized Autonomous Organization and even Metaverse. Seeing those innovation coming into the crypto market, I decided to be part of this movement by becoming a blockchain developer myself. In that mean, I want to build the future of decentralize applications by proposing my Analytical and Development Skills for a company that will shape tomorrow's society.

SKILLS

Tools and Languages	Solidity, Python, JavaScript, Numpy, Pandas, Sklearn, Tensorflow, MatPlotLib, React.js, Next.js, Hardhat, IPFS storage, Oracles, The Graph, MythX, Slither, Chai, OpenZeppelin
Quantitative Research	Data Cleaning and Analysis, Modeling using Machine and Deep Learning Models, Serving batch and real time Predictions, Building Algorithmic Trading and Investing Strategies
Communication	French and English(Fluent)

TECHNICAL EXPERIENCE

Quantitative Analyst - CEO	2022 — Present
<i>NovaLabs</i>	<i>Montreal, Quebec</i>
<ul style="list-style-type: none">Built algorithmic trading strategiesDeveloped the framework to facilitate the back test of strategiesDeveloped the framework to facilitate the production of strategiesBuilt Machine Learning model to improve backtested rule based strategyCreated the connection between the backend application and the strategies	
Lead Blockchain Developer	2022 — Present
<i>Jolly Rogers Society</i>	<i>Montreal, Quebec</i>
<ul style="list-style-type: none">Built ERC721A contract for VIP and Art CollectionAdd Royalties to ERC721AGenerate Random Art to create the final CollectionCreate the Front Integration with Mint Page and Gallery PageLeverage IPFS and web3.storage to store the NFT Metadata	
Full Stack Blockchain Developer	2021 — 2022
<i>LennyVerse</i>	<i>Montreal, Quebec</i>
<ul style="list-style-type: none">Front End and Back End Development using React.js and Gun.jsSmart Contract Development using Hardhat frameworkImplementing ERC20, ERC721, DAO (off-chain) and NFT MarketplaceCreate front end interaction with the smart contract (Dapp) on our websiteBuild tests and run vulnerabilities checks using Mythx and Slither	
Junior Data Scientist	2019 — 2021
<i>Development Bank of Canada</i>	<i>Montreal, Quebec</i>
<ul style="list-style-type: none">Participate to the creation of the Machine Learning Pipeline that serves prediction to end userParticipate to the creation of a Machine Leaning Library "bdcML" in PythonProve the impact of a specific use case for the companyAnalyse company database for insight in specific department and present the result	
Research Intern	2018 — 2019
<i>Cryptelligence</i>	<i>Montreal, Quebec</i>
<ul style="list-style-type: none">Build a diversified dataset using multiple Technical IndicatorsUse Feature Selection Model to select specific indicatorsTrain multiple machine learning models and select the best performerAnalyse final results of the model and build a strategy based on predictions	

EDUCATION

Master in Data Science, HEC Montreal	2018 — 2019
Bachelor in Mathematics, Economics and Finance, HEC Montreal	2014 — 2017
French Bachelor in Science Specialisation Mathematics, Lycée Paul Gauguin	2012 — 2014

ACTIVITIES

Built an algorithmic trading AI agent on Crypto Market	2021
Teacher Assistant for MMA class at McGill University	2020 — 2021
Main Researcher for the Trading Club at HEC Montreal: Organize Research in Finance and Data Science	2019 — 2020
Main analyst for my research group Tahiti Nui Investments	2020 — 2021