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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

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

### TECHNICAL EXPERIENCE

<b>Quantitative Analyst - CEO</b> <i>NovaLabs</i>	<b>2022 — Present</b> <i>Montreal, Quebec</i>
<ul style="list-style-type: none"><li>Built algorithmic trading strategies</li><li>Developed the framework to facilitate the back test of strategies</li><li>Developed the framework to facilitate the production of strategies</li><li>Built Machine Learning model to improve backtested rule based strategy</li><li>Created the connection between the backend application and the strategies</li></ul>	
<b>Lead Blockchain Developer</b> <i>Jolly Rogers Society</i>	<b>2022 — Present</b> <i>Montreal, Quebec</i>
<ul style="list-style-type: none"><li>Built ERC721A contract for VIP and Art Collection</li><li>Add Royalties to ERC721A</li><li>Generate Random Art to create the final Collection</li><li>Create the Front Integration with Mint Page and Gallery Page</li><li>Leverage IPFS and web3.storage to store the NFT Metadata</li></ul>	
<b>Full Stack Blockchain Developer</b> <i>LennyVerse</i>	<b>2021 — 2022</b> <i>Montreal, Quebec</i>
<ul style="list-style-type: none"><li>Front End and Back End Development using React.js and Gun.js</li><li>Smart Contract Development using Hardhat framework</li><li>Implementing ERC20, ERC721, DAO (off-chain) and NFT Marketplace</li><li>Create front end interaction with the smart contract (Dapp) on our website</li><li>Build tests and run vulnerabilities checks using Mythx and Slither</li></ul>	
<b>Junior Data Scientist</b> <i>Development Bank of Canada</i>	<b>2019 — 2021</b> <i>Montreal, Quebec</i>
<ul style="list-style-type: none"><li>Participate to the creation of the Machine Learning Pipeline that serves prediction to end user</li><li>Participate to the creation of a Machine Learning Library "bdcML" in Python</li><li>Prove the impact of a specific use case for the company</li><li>Analyse company database for insight in specific department and present the result</li></ul>	
<b>Research Intern</b> <i>Cryptelligence</i>	<b>2018 — 2019</b> <i>Montreal, Quebec</i>
<ul style="list-style-type: none"><li>Build a diversified dataset using multiple Technical Indicators</li><li>Use Feature Selection Model to select specific indicators</li><li>Train multiple machine learning models and select the best performer</li><li>Analyse final results of the model and build a strategy based on predictions</li></ul>	

### EDUCATION

<b>Master in Data Science, HEC Montreal</b>	2018 — 2019
<b>Bachelor in Mathematics, Economics and Finance, HEC Montreal</b>	2014 — 2017
<i>French Bachelor in Science Specialisation Mathematics, Lycée Paul Gauguin</i>	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