

Jack Lowry

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Skills

- **Software Development Tools**
 - Python3: [Django, Pandas, Matplotlib, TensorFlow, Brownie], Ruby: [Rails], Go, Java, HTML5, CSS3 (and SASS), JS: [Node, Next, React, Hardhat, Markup], Swift, Bash, Git, SQL, Solidity, VisualBasic, PHP.
 - Misc: Linux Server, Windows Server, AWS, Unix.
 - **Graphic Design and UI/UX**
 - Adobe Photoshop, Illustrator, Figma, and Blender.
 - **Audio/Video Production**
 - Final Cut Pro, Logic Pro, Adobe After Effects and Audacity.
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Education

- **University of Toronto** – (2018 - Present)
 - Major in Information Technology and Computer Science
 - **Sheridan College Trafalgar** – (2019 - Present)
 - Joint degree with University of Toronto in Media and Information Technology
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Relevant Projects/Experience

- **Polyheart Analysis Database (HackXplore 2019 Submission)** | Fullstack Engineer
 - Leveraged machine learning to build a proof of concept database using classification algorithms and React to provide the latest models that detect heart disease for healthcare professionals.
 - Implemented machine learning linear regression classification algorithms built in TensorFlow to detect heart disease in patients, using datasets pulled from Kaggle, effectiveness of 98%.
 - Designed and developed a user-friendly and easy to understand UI for the designated web app meant to be accessed by patients and healthcare professionals with React, Bootstrap and Figma.
 - **LW3 NFT Whitelist and Collection** | Fullstack and Contract Engineer, UI/UX
 - Designed and wrote 2 EVM smart-contracts which store user whitelist data on the Rinkeby blockchain and mints cryptographically unique tokens according to the ERC20 and 721 standard laid out by OpenZeppelin.
 - Built two user friendly and attractive web-apps for interacting with each smart-contract using the Next and React Javascript frameworks, which deal with whitelisting Rinkeby addresses (using MetaMask) and minting non-fungible tokens to said addresses respectively.
 - Tested and deployed the smart-contracts and web-apps in conjunction using Hardhat and Infura, with the web-apps being hosted with Vercel for quick access and editing.
 - **DeleuzeCoin (\$RHZOME): ERC20 Standardized token on the Binance Smart Chain** | Contract Engineer
 - Wrote and deployed an ERC20 standardized token in Solidity and deployed with Remix onto the Binance Smart Chain and made tradeable using liquidity pools on PancakeSwap, achieving a valuation of over \$38M.
 - **PGP Openstorage: Open source encrypted text storage** | Project Manager, Frontend Engineer, UI/UX
 - Managed a team of developers using Jira to create and allocate tasks, set deadlines, and ensure best git practices.
 - Used Figma and Illustrator to design and build a web-app front-end that is intuitive and simple for users to input and extract encrypted data from the database.
 - Debugged and tested the encryption software entailing trustless encryption of user data using PGP, built with Ruby on Rails, with user data APIs being built in Node and SQL.
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Work Experience

- Customer Service, Warehouse: **Urban Nature Store** (Etobicoke, Summer 2020 - Winter 2022)
 - Maintained storefront stock, helped process, sort, and store large shipments of goods.
 - Learned efficient inventory management and scalable organizational skills.
- Quality Control and Inventory: **Vitaly Jewelry** (Etobicoke, Spring 2019 - Fall 2019)
 - Inventoried and maintained quality standards of jewelry shipments to Vitaly's warehouse.
- Sales Associate: **Skechers Inc** (Etobicoke, Summer 2018 - Winter 2018)
 - Achieved weekly sales goals through assisting customers in finding products and processing transactions with a Linux based POS system.
- Food Preparations: **Conko Waffle Stand** (CNE, Summer 2017)
 - Prepared and served food in a fast paced, stressful, and busy environment in a timely manner while maintaining a clean workspace and conforming to food safety regulations.