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, PHP, Swift/XCode, GoLang, C.
  - 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.

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

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 ($RHIZOME): 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.

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.