

KENDRICK TAN

kndrck.co | me@kndrck.co | github.com/kendricktan | linkedin.com/in/tankendrick/

EDUCATION

Bachelors of IT
Jan 2016 - July 2019

Queensland University of Technology
GPA: 5.35 / 7.0

SKILLS

Languages
Frameworks
Tools

Python, Haskell, JavaScript (ES6/ES7), Solidity, C/C++, SQL / NoSQL
PyTorch, Pyro, Numpy, Flask, Django, React, Redux, Cordova, Electron, Truffle.js
Git, Jenkins, Travis-CI, AWS, Nix, Vim, Linux

EXPERIENCE

Popgun-Labs
Brisbane, QLD
Nov 2016 - Now

DevOps Engineer / Machine Learning Engineer

- > Wrote multithreaded data processing tools to process the spectrogram of terabytes of music files using Python and Librosa.
- > Used PyTorch to create, test, and evaluate the performance of various machine learning models such as CNNs, RNNs, VAEs, and GANs.
- > Wrote CloudFormation templates to version control infrastructure, as well as the CI/CD pipeline.

ZenSystem.io
Remote
Aug 2017 - Now

Software Engineer / Blockchain Developer

- > Author of zencashjs - an open source JavaScript library for creating and signing ZENCash transactions.
- > Author of myzenwallet.io, a web wallet for ZENCash using React.
- > Built ZENChat, a messaging application that utilizes zero knowledge proofs for secure, private and anonymous messaging. Built with React, Redux, and Electron.

iRecruit
Brisbane, QLD
May 2016 - Nov 2016

Backend Developer

- > Worked in a team of three using the Agile methodology.
- > Implemented CRUD endpoints with nested data using djangoestframework.
- > Used profiling tools like Django-silk to reduce the number of queries made to the database.

PROJECTS

Aug 2018

Ledger-analytics

- > Built a PWA that outputs interactive graphs when supplied with a valid ledger-cli file
- > Used React and ECharts for the frontend and interactive graph components
- > Used Express.js for backend REST API

Jan 2018

Cryptoroses.us

- > Used web3.js to write an Oracle that interacts with and both Ethereum and Garlicoin (used to verify if the payment of Garlicoin was received)
- > Used solidity to write smart contract that process the crypto-payments.
- > Used Next.js to write a user Interface to interact with the smart contract.

Dec 2017

Misocoin

- > Reimplemented a bitcoin-like protocol in Python 3.6
- > Used ECDSA to process transactions, which allows misocoin to act as a trustless 3rd party for storing and ensuring the integrity of arbitrary data.
- > Implemented Proof-of-Work. Difficulty is determined by the network hashing power.

TALKS

Learn You A Pytorch
Aug 2017

PyCon AU 2017

On the benefits of using the machine learning framework PyTorch as opposed to tensorflow, theano, caffe, etc.

Franklin, The Machine Learning RC Car
Oct 2016

CompCon UQ 2016

Talked about my experience and knowledge gained as a first year uni student building a self-driving RC car powered by machine learning, with no knowledge about machine learning prior the project.

