ALEXANDER MOK

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PROFICIENT: JAVASCRIPT, NODE.JS, EXPRESS, REACT, REDUX, GIT, SOLIDITY, WEB3, TRUFFLE, GANACHE, DRIZZLE, POSTGRESQL, HTML, CSS, MATERIALIZE, SEMANTIC, MOCHA, JASMINE, CHAI, TRAVIS-CI, HEROKU
KNOWLEDGEABLE: SQL, SOCKET.IO, RUBY ON RAILS, JAVA, VBA, BABEL, WEBPACK, PARCEL

TECHNICAL PROJECTS

LEAKSPEAK (HTTPS://GITHUB.COM/TEAM-FULLY-STACKED/LEAKSPEAK)　　　　*December 2019*
1st place finish at Gotham DLT Hackathon and 1st place for Brooklyn Law Incubator & Policy Clinic challenge
- Created a platform for journalists to reward anonymous sources for information, resistant to censorship (IPFS)
- Developed a front end to display information requests and allow journalists to verify information through voting
- Utilizes IPFS for sources to upload images, audio or video as immutable proof for information requests
- **Built with React, Solidity, Web3, IPFS, Truffle, Ganache, Drizzle, Semantic UI**

OPENHIRE (HTTPS://GITHUB.COM/EQUALITHONTEAM13/OPENHIRE)　　　　*September 2019*
1st place Esteem Equalithon's Nasdaq Blockchain Challenge
- Built an HR tool to provide proof, free from bias, of a person's expertise based on history and peer feedback
- Created a platform for employers to view current employees and individuals to create a searchable profile page with their education, work experience, skills, and reviews
- Developed a front end to display and allow the requisite party to verify an individual's achievements
- Wrote a Solidity contract with optional administrative privileges and to store experiences and skills
- **Built with React, Solidity, Web3, Truffle, Ganache, Drizzle, Semantic UI**

DAPPCHAT (HTTPS://GITHUB.COM/FOXTROY-JAY/DAPPCHAT)　　　　*July 2019*
- Developed an uncensorable, permission-less open source messaging platform, in under two weeks
- Self-taught in the Ethereum blockchain stack, including Solidity and Truffle Suite
- Wrote a Solidity contract to store messages, and used Drizzle and React to fetch and render updates in real time
- Deployed contract to the Rinkeby testnet
- **Built with React, Solidity, Web3, Truffle, Ganache, Drizzle, Mocha**

SPACE-RUNNER (HTTPS://GITHUB.COM/SPACE-RUNNER-PROTOTYPE/SPACE-RUNNER)　　　　*June 2019*
- Built a 3rd person game with TensorFlow and Posenet where a player dodges obstacles
- Developed an algorithm with machine learning to calculate body position via webcam capture and map the movement to an in-game player model
- Generated dynamic walls and wrote an algorithm to detect collision between the player model and the walls
- Optimized the rendering of incoming walls to minimize lag
- **Built with React, Three.js, TensorFlow, Posenet**

E-COMMERCE SITE (HTTPS://GRACE-SHOPPER-CCK.HEROKUAPP.COM/)　　　　*June 2019*
- Led the implementation of a single page storefront to browse and checkout items through RESTful API
- **Built with React, Redux, Materialize, Node, Express, Sequelize, PostgreSQL, Webpack, OAuth**
- **Code available at (https://github.com/cck-fullstack/grace-shopper)**

EXPERIENCE

PLATINUM HUMAN RESOURCE MANAGEMENT
Data Management Analyst　　　　*Feb 2013 – Nov 2018*
- Developed automated functions and Macros in Excel to streamline payroll and data processing, resulting in increased efficiency of day-to-day tasks
- Normalized data, monitored reports, printouts, and performance indicators to locate and remedy issues
- Established and implemented data collection systems to optimize efficiency and improve data quality
- Identified and resolved data quality issues by creating regularly scheduled audit reports for high risk incidents
- Reviewed payroll program specifications to ensure compliance with appropriate rules and regulations

EDUCATION

CONSENSYS ACADEMY　　　　**2019 – 2020**
Online blockchain developer bootcamp focused on security best practices, and smart contract/dApp development
FULLSTACK ACADEMY　　　　**2019**
A 17 week project based software engineering immersive program focusing on Node.js, Express, React, and PostgreSQL
PASSED CFA LEVEL I　　　　**2018**
STONY BROOK UNIVERSITY
B.S. in Applied Mathematics and Statistics
B.S. in Business Management: Finance
Minor in China Studies