ALEXANDER MOK

MokAlexander00@gmail.com • (718) 490-1571 • New York, NY
https://www.linkedin.com/in/Mok-Alexander/ • https://github.com/MistuhMok

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

TECHNICAL PROJECTS

DECENTRALIZED WHATSAPP ALTERNATIVE (DAPPCHAT.INFO)
- Developed an uncensorable, permission-less open source messaging platform, in under two weeks
- Self-taught n 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 with experimental ABIencoderV2 features to the Rinkeby testnet
- **Built with React, Solidity, Web3, Truffle, Ganache, Drizzle, Mocha**

SPACE-RUNNER (HTTPS://GITHUB.COM/SPACE-RUNNER-PROTOTYPE/SPACE-RUNNER)
- 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 to the 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/)
- Led the implementation of a single page CRUD storefront to browse and checkout items
- Designed a scalable database schema, REST APIs, with unit and integration testing
- Utilized Agile development methodologies (daily scrums/standups, kanban, feature driven development)
- **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/Payroll Coordinator   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 and 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

FULLSTACK ACADEMY   MAR 2019 - JULY 2019
A 17 week project based software engineering immersive program focusing on Node.js, Express, React, and PostgreSQL

STONY BROOK UNIVERSITY
B.S. in Applied Mathematics and Statistics
B.S. in Business Management: Finance
Minor in China Studies

CFA LEVEL I

OTHER SKILLS & INTERESTS

Other Skills: Access, Excel, Outlook, PowerPoint, Visio, Word, Tableau, SPSS, Cognos 8, Ultipro Back Office & Web, Smartlinx, Stromberg
Interests: Board Games, Swimming, Handball, Racquetball