

Shreyash Shambharkar

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EDUCATION

Texas A&M University | B.S. in Computer Science

Expected Graduation: May 2021

Coursework: Machine Learning, Artificial Intelligence, Computer Architecture, Operating Systems

SKILLS

Languages: C++, C, Go, Java, Ruby, Node.JS, Python, Solidity, JavaScript, C#, MATLAB

Technology: PostgreSQL, IoT, EdgeX Foundry, Ethereum, OIDC/OAuth2.0, TPM, Hyperledger Blockchain

EXPERIENCE

Software Engineer Intern, Internet of Things – Dell Technologies

May 2019 – August 2019

- Built an OpenID Connect/OAuth2.0 layer in Go for EdgeX using VMware Lightwave as an identity provider
- Developed smart contracts in Solidity for VMware Concord (an Ethereum based Blockchain)
- Used a TPM chip on a gateway to sign and give data a verifiable identity

Software Engineering Intern – Y&L Consulting

May 2018 – August 2018

- Implemented a blockchain application for automating and monitoring transactions between companies
- Wrote Smart Contracts for the Hyperledger Blockchain in Node.JS
- Utilized frontend code to display data from the Docker Swarm and the Hyperledger Network

Software Engineering Intern – Y&L Consulting

May 2017 – August 2017

- Developed a PDF data scraper in C# to automate form verification services
- Utilized TesseractOCR to create a timesheet reading system for better workflow and faster verification
- Worked with developers to clean up code from a pre-existing project and streamline product functionality

PROJECTS

Speed Prediction of Pokémon in Double's Battles – Python Scikit-Learn

- Created a model of the speed stat for Pokémon in the meta using machine learning and the Smogon dataset
- Wrote the Python code to generate the models and make a speed prediction based on user input
- Created over Summer 2020 Quarantine with a team of two people

ThreadJS – JavaScript, C++

- Developed a C++ Addon which integrates multithreading into Node.JS, a single-threaded language
- Wrote the C++ synchronization, threading, and inter-process communication handling for the addon
- Created at HackTexas 2019 in 24 hours with a team of two people

Happyfier – JavaScript, React, Microsoft Azure - <http://happyfier.com/>

- Created a website which takes images of people and edits unhappy faces to look happier
- Developed frontend using React to easily attach to the JavaScript backend
- Created at HackTexas 2018 in 24 hours with a team of three people

Finder – Android, Google Maps API, Firebase

- Built an app to help friends find each other in unmapped areas using location services and Google Firebase
- Wrote frontend UI, combining the Google Maps API with location data to display your friend's location
- Created at SOHacks 4 2017 with a team of four people in 24 hours