Isaac Sheikh
Full Stack Software Engineer / Researcher

918.520.4829
sheikhisaac@gmail.com
isaacsheikh.com

About Me_____

Programming Languages	Dart • Go • Javascript(ES6) • Python 3 • R • SQL • Swift
Frameworks/Libraries/Tools	AWS • Azure • Django • Docker • Flask • Flutter • GCP • MongoDB • Numpy • Pytorch • SciKit-Learn • Tensorflow • Tableau
Education	George Mason University: Fall 2017 - B.S., Computer Science Old Dominion University: Fall 2020 - B.S., Psychology

Professional Experience_____

Volkswagen Group of America   **Herndon, VA**
Full Stack Software Engineer - Innovation Labs   Feb 2019 - Present

- Scoping out a repository of potential engineering projects for future development via the Innovation Labs
- Leading research efforts into future disruptive technologies, such as deep learning and quantum computing
- Developing cross-platform distributed ledger applications utilising Flutter ecosystem and Python
- Leading Summer 2019 internship projects using machine learning to build out proprietary models and systems
- Designing and leading software engineering interviews in order to further build out innovation engineering team

Discovery Communications, Inc.   **Silver Springs, MD**
Software Engineer   (Contract Position) Nov 2018 - Jan 2019

- Designed and developed a media data pipeline for validating video metadata using Python
- Implemented proprietary authentication functionality for internal media delivery applications using Angular 2
- Worked with AWS Elemental Live APIs to create a client-facing user interface for media delivery with Python
- Completed a Google Cloud Developer and an AWS certification course

Sequoia Holdings, Inc.   **Reston, VA**
Back-end Software Engineer   (Laid Off: Budget Cuts) May 2018 - Jul 2018

- Ported over company codebase from Java 7 to Python 3
- Wrote and productized a decentralized blockchain network for enterprise using Python/Flask
- Delivered company-wide presentation sessions to guide product direction for blockchain

Microsoft   **Washington, D.C.**
Blockchain & AI Lead   (Contract Position) Mar 2018 - Apr 2018

- Developed a cross-platform (mobile and web) blockchain platform with React and React Native
- Utilised Azure Machine Learning to create a query portal for categorising legal documents with reinforcement learning

Telos Corporation   **Ashburn, VA**
Full Stack Software Engineer - Innovation Team   May 2017 - Mar 2018

- Utilized Github's Electron framework to build out a cross-platform dashboard UI for a desktop blockchain application
- Worked with the backend team to configure Hyperledger Composer and build REST APIs for productization

Old Dominion University   **Norfolk, VA**
IT Tech Lead   (Internship) Oct 2015 - May 2016

- Guided sensitive IT team projects and assisted with new member training/management

- Managed user database using SQL and utilised data to ensure productive downtime behind the desk

Freelance Experience_____

Soko   **Washington, DC**
Lead Mobile Engineer   Jul 2018 - Dec 2018

- Utilising Flutter and Dart to design and develop an application that connects consumers to locally owned businesses
- Deploying mobile applications to App Store and Google Play

Public Bloc   **Washington, DC**
Chief Technology Officer   Oct 2017 - Feb 2018

- Hired engineering team and led coding sprints
- Developed and deployed company website
- Identified and tracked success/tracking metrics to enable growth of the start-up / platform

DrillBook   **Ashburn, VA**
Software Engineer   Apr 2017 - Feb 2018

- Ported over Java Swing Front-End UI to Github's Electron in order to increase user retention
- Developed product website using HTML/CSS/jQuery to increase monetisation for company

Ashtech   **Ashburn, VA**
Software Engineer   Apr 2015 - Feb 2017

- Developed microservices using Go for controlling hardware inputs
- Developed Arduino programs to control micro-computer

Techtagon   **Ashburn, VA**
Technical Writer / Editor   Jul 2014 - Oct 2015

- Oversaw development and growth of small-scale, technology-oriented website
- Edited and cultivated content for writers on the team

Projects / Awards_____

Chord
- Won first place during Google Firebase Hackathon with a real-time audio commenting tool for musicians utilising Google Firebase and Javascript

Walmart.Search
- Developed a CLI tool for testing Walmart's Product, Search, and Recommendations API using Python 3

GoQuiz
- Developed a quiz game using Go that accepts a question/answer key via a .CRV file and prompts the users to take the quiz

GoShort
- Developed a tool for shortening html links, similar to goo.gl and bit.ly, using Go

Publications _____

- Author: Sheikh, Isaac. **Development and Validation of a Deep Learning Algorithm for Early Detection of Alzheimer's Disease in Genetic Data**. In-progress. 2019