Sherzod Kariev

6005 Gibson Avenue, Tampa, Florida 33617 | (C) 813-239-4883 | sherzod@mail.usf.edu | https://github.com/SherzodKar

PROFESSIONAL SUMMARY
Actively looking for internship opportunities in software engineering, machine learning, image processing, automation, web or mobile app development.

EDUCATION
BS in Computer Science – December 2020
University of South Florida | GPA 3.88 | Tampa, FL
USF Green & Gold Scholars Award | Dean's List Honors

RESEARCH PROJECTS
Radiomics (Volunteer) | USF Vision Sensor Lab and Moffitt Cancer Center | Tampa, FL   **AUGUST 2018 - PRESENT**
- Constructed algorithms to calculate convolution, laws, wavelet, co-occurrence matrix and other features for image manipulation of DICOM files by blurring, filtering and resizing medical images and for analysis of various diseases
- Modified C++ code to process images by pixel separation, convert them into 2D and 3D matrices for feature implementations and tumor depiction and save them back in TXT and JPG formats
- Used classes from VTK and ITK libraries in cooperation with other teammates to make weekly reports for professors

Website Automation (Remote | Volunteer) | BaseHealth Inc. | Tampa, FL   **SEPTEMBER 2018 - MARCH 2019**
- Implemented Selenium WebDriver and TestNG frameworks to test whether the website is functioning properly
- Checked if web elements are displayed and can be selected, buttons are responsive and there are no bugs
- Utilized Spring Tool Suite software to write XML and Java codes to run tests in a WebDriver and make API calls
- Used Jmeter Testing Tool to measure performance of the website and simulate loads of HTTP requests

WORK HISTORY
Research Assistant | USF Social Computing Research (SCoRe) Lab | Tampa, FL   **MAY 2019 - PRESENT**
- Designed a web dashboard using HTML/CSS/JavaScript to implement the functionality of verification of deadly mosquitoes based on the dataset of 8000 images, by sorting IDs in Firebase using JSON format
- Created a website to manipulate, or specifically sort, change and filter the dataset of questions and answers, received from users of the survey taking mobile application in order to create a mobile app to control bullying in middle and high schools

Teaching Assistant for Discrete Structures | USF College of Engineering | Tampa, FL   **DECEMBER 2018 - MAY 2019**
- Organized office hours to help students with homework, tests, and exams by explaining the ways to solve problems
- Collaborated with a team of TAs to make well-organized weekly quizzes and grade them based on the topics covered
- Communicated with college students and explained the concepts of Discrete Math in a limited time frame

Student Ambassador | USF Office of Admissions | Tampa, FL   **SEPTEMBER 2018 - AUGUST 2019**
- Helped to maintain USF admissions website with C# on the backend/made single web pages
- Responded to the emails from prospective and current students using Campus Nexus software
- Utilized Banner 9 in order to upload documents and retrieve necessary information about students from USF records
- Sent admission letters to students by email and instructed them about next steps to take in the process of admissions

TECHNICAL SKILLS
- Proficiency in Object-Oriented and Procedural Programming using C, C++, Java, Python, C# and PHP
- Research experience in Pattern Recognition, Image Processing and Neural Networks
- Website Automation using TestNG and Selenium frameworks and Performance testing using Apache Jmeter
- Expertise in Eclipse, Spring Tool Suite, NetBeans, Visual Studio, Code::Blocks IDE, JIRA software
- Web and mobile app development skills (HTML/CSS/JavaScript/jQuery/Firebase/Django/PostgreSQL)